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logo
NTDB id 75363 UKS RS06435 WP 156012247.1   MKK.RIFLATGVAVLSTAVLAACSSVNANKEANKPVTYAYVFSSDPSTLDYTVSGNVSTKQVTGNVIDGLLENDQYGNLVPSVAE   84
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKSS....TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAE   81
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKSN....TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAE   81
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKSN....TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAE   81
consensus                                  !!!*******!!!*! ***!!!!!!!***    ****!!*!!**!!!**!!!**!****!!****!**!!!*!*!*!!!!!!!!!!

logo
NTDB id 75363 UKS RS06435 WP 156012247.1   DWTVSKDGSTYTYKIRQGVKWYTNEGEEYGEVKAQDFVTGLKHAADKKSQALYLVQDSIKGLDDYVNGKTTDFSTVGVKATDDYT   169
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYT   166
NTDB id 292 STER RS06940 WP 011681419.1    DWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYT   166
NTDB id 324 STU RS16140 WP 011226306.1     DWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYT   166
consensus                                  !!*!!*!!*!!!!!!!*!*!!!!**!!!!**!*!*!!!!!!!!!!*!****!!!!!!*!!*!!**!***!!!*!!!!!*!*!!

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NTDB id 75363 UKS RS06435 WP 156012247.1   VVYTLNHPESFWNSKTTMGVLAPVNEDFLASKGDDFGKPTDVTSILYNGPFLLKGLTSKSSIEMTKNQNYWDKQNVFIDDIKLSF   254
NTDB id 475 HSISS4 RS07005 WP 021143809.1  LQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSY   251
NTDB id 292 STER RS06940 WP 011681419.1    LQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSY   251
NTDB id 324 STU RS16140 WP 011226306.1     LQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSY   251
consensus                                  **!!!**!!**!!!!!!* *!*!!!!!!!**!!*!!!!*!!*!!!!!!!!!!!!!*!!*!!!!!* !!**!!!!*!!**!*!! !*

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NTDB id 75363 UKS RS06435 WP 156012247.1   FDGQDADSLGRGFDEGHYPAAPLFKNSANYERLKEKYKDNIVYGQQRGGVFYMSTNIDRVSYNHTAKTSDVEKSSTKKALLNKDF   339
NTDB id 475 HSISS4 RS07005 WP 021143809.1  YDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDF   336
NTDB id 292 STER RS06940 WP 011681419.1    YDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDF   336
NTDB id 324 STU RS16140 WP 011226306.1     YDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDF   336
consensus                                  *!!*!***!*!!!**!*!**!*****!*!!*****!!!!!!*!************!*!!*!!***!!**!*!!*!!!!!!!!!!!

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NTDB id 75363 UKS RS06435 WP 156012247.1   RQALAFAVDRKAGISQVFGDEVGPRKLRTSFTPPTFVQVGDQTFGQVTKTELDKLDNVWKDVSLDDAQDSLHNVDKAKAKFEAAK   424
NTDB id 475 HSISS4 RS07005 WP 021143809.1  RQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAK   421
NTDB id 292 STER RS06940 WP 011681419.1    RQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAK   421
NTDB id 324 STU RS16140 WP 011226306.1     RQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAK   421
consensus                                  !!***!!*!!*!**!!**!********!**!*!**!!**!!*!!!*************!**!* *!*!!*!*!**!!!**!**!!

logo
NTDB id 75363 UKS RS06435 WP 156012247.1   KTLQADGVQFPIHLDLPISSSNPDFIRQVQSYKQSIEEALGSDNVVVDIQQVSDDELASMTTLATSNANTDWDINAVSGWSPDFA   509
NTDB id 475 HSISS4 RS07005 WP 021143809.1  ETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQ   506
NTDB id 292 STER RS06940 WP 011681419.1    DALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQ   506
NTDB id 324 STU RS16140 WP 011226306.1     DALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQ   506
consensus                                  * !!!!!!!!!!!!!!!!***!******! !!*!!*!!**!!!*!!!*!**!*!*!*****!**!***!**!!!!*****!*!!**
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logo
NTDB id 75363 UKS RS06435 WP 156012247.1   DPSTYLDVFDPTSGPSLLGTLGVAPGTDNPAIKTVGLDKYKELIDDANSEKTDLQKRYSKYAKAQAWLTDSALVIPVHSDGA.QM   593
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DPSTYLDIFKTTSSENTKTFMGYD.DPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
NTDB id 292 STER RS06940 WP 011681419.1    DPSTYLDIFKTTSSENTKAFMGYD.DPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
NTDB id 324 STU RS16140 WP 011226306.1     DPSTYLDIFKTTSSENTKAFMGYD.DPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
consensus                                  !!!!!!!*!**!!********!** ***!*!***!!!**!**!* *!*!!**!!**!!**!!*!!!!!*!!*!!!!*********

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NTDB id 75363 UKS RS06435 WP 156012247.1   LVTKKVLGTGAGGWVGDKTSE.NSYKYLKIQDKIVTTKEMDEFRKKFADEKAKSNADYQKNLDRHIQD   660
NTDB id 475 HSISS4 RS07005 WP 021143809.1  VISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK.   656
NTDB id 292 STER RS06940 WP 011681419.1    VISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
NTDB id 324 STU RS16140 WP 011226306.1     AISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
consensus                                  ********!!!***!!!!*!*****!!*!*!*!*!!*!!****!*!***!!**!!***!!*!**!**
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X non conserved

X similar

X $\geq$ 50% conserved