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logo

NTDB id 1137703 DQM73 RS05365 WP 002924924.1  MKASKWLIATGVALSAGLLLTACSQ.SSSSTNNYTYVYSSDPDSLNYLATNRATTGDVISNLVDGLFENDKYGNLVPSIA   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 1137703 DQM73 RS05365 WP 002924924.1  KSWTVSKDGLTYTYKLRDDAKWYTSDGEEYAEVKAQDFVTGLKYAADENSEAIYLVQDSVKGLDAYIKGEDKNFDNVGVK   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 1137703 DQM73 RS05365 WP 002924924.1  AIDDHTLQYTLTRPEPYWNSKTTSTILFPVNEEFLKAEGSNFGS.VKPSSILYNGPYLLKSLTSKSVMEFVKNQNYYDKD   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                                     !!!**!!!!!!**!!!!!!!!!!***!*!!!!*!!!**!**!!****!*!!!!!!!*!!!!!!*!!**!**!!**!**!*!!*

logo

NTDB id 1137703 DQM73 RS05365 WP 002924924.1  NVTLDSIKLTYYDGNDQEALIRNFSDGVYSTARLYPNSSGFASVKKKYADNIVYSPQDSTSYYYNFNYNRQSYNHTSKTT   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                                     !!**!*!! *!!!!*!!*!!*!*!*!!*! *!!**!*!!***!!*!!!*!!!*!************!**!!!!****!*!

logo

NTDB id 1137703 DQM73 RS05365 WP 002924924.1  DAQKSATNEAIMNKDFRQAINFAFDRTSYGAQGNGEDGATKVLRNTLVPPTFVQIGDKDFGTVVGEKLVNYGSQWQGIDL   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 1137703 DQM73 RS05365 WP 002924924.1  SDAQDPYYNPEKAKAKFAEAKQALQAKGVEFPIHLDMPVDQSSTIGVQWASSTKQSIESALGAENVVIDLQKMSTDDLNN   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 1137703 DQM73 RS05365 WP 002924924.1  ITYFANSAAQKDYDMSTG.GWTGDYQDPSTYLDTLNIKNGGSLQNFGFEPGQDNDKIKELGLDTYTKMLEEANAETNDVQ   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 1137703 DQM73 RS05365 WP 002924924.1  LRYEKYAEAEAWLLDSGLIIPT.VSQGATPSVTKSVPFTKAYSPVGVKGSAY.NFKLTQLQKDVVTTKEYEAAKKKWKEE   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 1137703 DQM73 RS05365 WP 002924924.1  ATAANKKAQEELADHVEK   653
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 $\geq$ 50% conserved