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logo
NTDB id 75352 UKS RS04150 WP 156011920.1   MKSKKWLLTAGVVLSTTALLVACGKADKEADAPTTFSYVYAVDPASLDYSIATRTSTTDIIGNVVDGLMENDQYGNVIPSLAEDW   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKS..STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKS..NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKS..NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                  !!**!!!**!!!*!*****!*!!****  ****!!**!!!**!!**!!!*******!*****!*!!!!!!*!*!!!**!!*!!!!

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NTDB id 75352 UKS RS04150 WP 156011920.1   SVSKDGLTYTYKLREGVKWYTSEGEEYAEVTAHDFVTGLKHVADGKSDGVSLIQNSIKGLDAYMTGETNDFSTVGVKALDDYTVE   170
NTDB id 475 HSISS4 RS07005 WP 021143809.1  SVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTLQ   168
NTDB id 324 STU RS16140 WP 011226306.1     SVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTLQ   168
NTDB id 292 STER RS06940 WP 011681419.1    SVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTLQ   168
consensus                                  !!!*!!!!!!!!*!*!*!!!!!*!!!!!*!!!*!!!!!!!!!*!!  !*****!*!*!!*!!**!**!***!!!*!!!!!*!*!!**

logo
NTDB id 75352 UKS RS04150 WP 156011920.1   YTLNKPESHWNSKVTTATMLPVNEEFLKASGKDYGAV.TPAGILYNGPYILKTLTSKSLIEYEKNPNYWDKEKVKIEKIKLTYYD   254
NTDB id 475 HSISS4 RS07005 WP 021143809.1  YTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYYD   253
NTDB id 324 STU RS16140 WP 011226306.1     YTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYD   253
NTDB id 292 STER RS06940 WP 011681419.1    YTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYD   253
consensus                                  !!!*  !!**!!!!*!*****!!!!*!!!**!!!*!****!**!!!!!!**!!*!!*!!*!!**!!**!!!!**!****!!  *!!!

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NTDB id 75352 UKS RS04150 WP 156011920.1   GSDQESLIRSFSSGAYTTARLFPSSSNFASTLEQYGDKITYSPQDSSSYYFTFNVNRQSFNKTAKTSEEQKTSTKEAMLNKDFRQ   339
NTDB id 475 HSISS4 RS07005 WP 021143809.1  GSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFRQ   338
NTDB id 324 STU RS16140 WP 011226306.1     GSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFRQ   338
NTDB id 292 STER RS06940 WP 011681419.1    GSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFRQ   338
consensus                                  !!!!**!*!*!**!!!**!!**!*!!!**!****!*!*!*!*****!******!**!!!****!!*****!*!!!!*!*!!!!!!!

logo
NTDB id 75352 UKS RS04150 WP 156011920.1   AINFAFNRHSYAAQLNGEDGADKIIRNSLVPDNFVQAGGKNFGQIAQAELVNYGEQWKDVELVDGKDSIYNPDKAKVAFEKAKKD   424
NTDB id 475 HSISS4 RS07005 WP 021143809.1  SINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKET   423
NTDB id 324 STU RS16140 WP 011226306.1     AINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKDA   423
NTDB id 292 STER RS06940 WP 011681419.1    AINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKDA   423
consensus                                  *!!!!**!**!**!*!!*!!!****!!**!!**!!*!!*!*!!*********!!**!**!*  *!  *!**!!**!!!**!*!!!**

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NTDB id 75352 UKS RS04150 WP 156011920.1   LEAKGVTFPIHLDLPVEQTDTIAVQQSNSFKQSIESTLGAENVVIDVLQMTDNEKETITSQARVPSQKDYDL.NSTGWAPSYQDP   508
NTDB id 475 HSISS4 RS07005 WP 021143809.1  LQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQDP   508
NTDB id 324 STU RS16140 WP 011226306.1     LQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQDP   508
NTDB id 292 STER RS06940 WP 011681419.1    LQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQDP   508
consensus                                  !*!*!!*!!!!!!*!!*!*****!*!**!*!!*!!**!!**!!!!!**!*********!**!******!*!**!***!*!*!!!!
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NTDB id 75352 UKS RS04150 WP 156011920.1    ASYLNIMDPKTGSAMKHLGITKGKDKDVVAQLGLDQYKKLLDEADSETTNLEERYEKYAKAQAWLTDSSLLMPTAS.SGGSPVVS   592
NTDB id 475 HSISS4 RS07005 WP 021143809.1   STYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
NTDB id 324 STU RS16140 WP 011226306.1      STYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAIS   593
NTDB id 292 STER RS06940 WP 011681419.1     STYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
consensus                                   **!!*!*********!*************!!*!!**!**!! *!*!!!**!**!!**!!*!!!!!*!!!!**!*****!**!**!

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NTDB id 75352 UKS RS04150 WP 156011920.1    NVVPFSKPYSQVGIKGD.PYIFKGMKLQKDIVTTKEYEEALKKWQKEKLESNGKYQKELENHIK   655
NTDB id 475 HSISS4 RS07005 WP 021143809.1   RLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1      RLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1     RLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                   ***!!*****!!!*!****** !**!*!***!!*!!!!****!!*!!!**!!*!*!!*!!*!*!
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X non conserved

X similar

X $\geq$ 50% conserved