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logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  MKKSKAKYATLAGIVLSAGILLSAC.GNSSTGSKTYNYVYSSDPSSLNYLAENRATTTDIVTNLVDGLMENDQYGNYVPSLAEDW   84
NTDB id 475 HSISS4 RS07005 WP 021143809.1  ..MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1     ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1    ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                   **!*!***!!!**!****!*!!***!  !***!!*!!!*!!!**!*!***!***!***!!!*!!!!!!*!*!!!*!!!*!!!!

logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  SVSKDGLTYTYKLRKDAKWYTSDGDEYAPVTAQDFVTGLKYAADKKSEALYLVQESVVGLDDYITGKTSDFSTVGVKALDDQTVQ  169
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 156018 RN80 RS04570 WP 060627810.1  YTLARPEPYWNSKTTSTILFPVNADFLKSKGDDFGK.VDPSSILYNGPFLMKSFVSKSVIEYKKNPNYWDAKNVFVDDVKLIYFD  253
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                                  !!!**!!!!!!!!!!***!*!!!*!!!!*!!*!!!!**!!*!!!!!!!!!*!!***!!*!!**!!**!!!*!!!**!**!  *!*!

logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  GSDQDALARNFTEGVYSYARLYPNSSSFEGIKEKNKDNIIYSMQDATSYFLNFNLDRKSYKFTSKTSDAEKKSTQEAVLNKNFRQ  338
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 156018 RN80 RS04570 WP 060627810.1  AINFAYDRTAYGAQSQGEEGATKILRNLVVPPTFVSINGKDFGEVVASKMVNYGKEWQGINFADAQDPYYNPEKAKAKFAEAKKE  423
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                                  *!!!!*!!  !!**!**!**!!****!!!*!!**!!!***!*!!**!**!!**!!*!!*!*!**!*!!**!!*!!!!**!!*!!**

logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  LQAKGVQFPIHLDKTIDLANKAEIQGINSMKQSIESVLGADNVVIDVHQLSTEDYDSSGYLAQTAAQKDYDLYNG.GWTADYQDP  507
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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logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  STYLDVFNVNSGGLMQNLGIEPGEANDKAKAVGLDVYTQMLEEANK.EQDPAKRYEKYADAQAWLVDSSLAIPNV.SLGGTPTLR   590
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                                   !!!!!*!***!**************!**!**!!!**!***!**!*****!***!!**!!*!!!!!*!!!!*!!*****!**!***

logo
NTDB id 156018 RN80 RS04570 WP 060627810.1  KIVPFSTPYSLAGNKG..VESYKYLKLQDKTVTKDEYEKAKEKWLKEKEESNKKAQEELAKHFK   652
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