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logo
NTDB id 139769 SI82 RS02355 WP 003100861.1  MKKGKWLAVAGVTILSVSALAACGNNSSKASKGSTYSYVYTSDPDTLDYLVSGRSSTTEITQQGIDGLMEYDRFGNVIPSLAKDW   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKSS..TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                  !!!*!!!!*!!!**!  !* !!!!***!   **!*!!*!!!*!!!**!!!**!****!******!*!!!!!*!**!!**!!*!*!!

logo
NTDB id 139769 SI82 RS02355 WP 003100861.1  TVSKDGLTYTYKLRDDVKWYTADGEEYANVTAKDFVAGIKHAADKNSDALYLIQDSIKGLSDYVSGKNKDFSQVGVKAVDKHTIQ  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 139769 SI82 RS02355 WP 003100861.1  YTLNQPESYWNSKLTYGVLAPVNAEFLKSQGKNFGKASDAGSILYNGPFIITALTSKSSIEFVKNDHYWDKKNVNVDAVQLTYYD  255
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 139769 SI82 RS02355 WP 003100861.1  GQDQESLFRNFDDGAYSVARLFPTTPSYKTAKKKYGESITYGQQNSTTYYATFNLNRTAYKHTKKTDDKQKDDTKKAILNKDFRQ  340
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 139769 SI82 RS02355 WP 003100861.1  ALTFGFDRMSYQAQSAGQDAANKSLRNVLIPPTFVQINGEDFGKTVEKDLSAYGEQWKGINLADAQDGLYNPEKAKAQIAKAKTE  425
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 139769 SI82 RS02355 WP 003100861.1  LEAQGVQFPIHIDFPQDQTATVLMQQAQSMKQSIEATLGKENVVIDILEVPTDTYNNISYLAETPAQQDWDMSTASGWSPDFTDP  510
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 139769 SI82 RS02355 WP 003100861.1   SSYLDIFNPNLENAQTKFIGIEPLKNSDVVTAAGLDEFTQLVTDAGKITDDQTKRYEAYAKAQAALTDSAVYIPT.ISLGGTPTV   594
NTDB id 475 HSISS4 RS07005 WP 021143809.1    STYLDIFKTTSSENTKTFMGYDDPNNA.AAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
NTDB id 324 STU RS16140 WP 011226306.1       STYLDIFKTTSSENTKAFMGYDDPNNA.AAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAI   592
NTDB id 292 STER RS06940 WP 011681419.1      STYLDIFKTTSSENTKAFMGYDDPNNA.AAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
consensus                                    !*!!!!!**********!*!*****!* *****!!*****!***!***!*!***!!**!!*!!!*!*!!***!!*****!**!**

logo
NTDB id 139769 SI82 RS02355 WP 003100861.1   SKLVPFSGAFGWAGNK.SNNLYYKYIKLQDKPVTAKQYAKALDKWKKEKEKSNKKYADSLEKHIEK   659
NTDB id 475 HSISS4 RS07005 WP 021143809.1    SRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK.   656
NTDB id 324 STU RS16140 WP 011226306.1       SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
NTDB id 292 STER RS06940 WP 011681419.1      SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
consensus                                    !*!*!!*!!****!*!*!***!*!!*!*!*!*!!*!*!*****!!*!!!**!!*!****!!!!**
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X non conserved

X similar

X $\geq$ 50% conserved