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logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  MKKSKWLAAVSVAILSVSALAACGNKNASGGSEATKTYKYVFVNDPKSLDYILTNGGGTTDVITQMVDGLLENDEYGNLVPSLAK   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKSSTSG....TTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAE   81
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKSNTSG....TTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAE   81
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKSNTSG....TTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAE   81
consensus                                  !!!!!!!!***!!*!  !* !!!!**!****!    *!!*!!***!!**!!!!**!*!*!****!**!!!!*!*!*!!!!!!!*!*

logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  DWKVSKDGLTYTYTLRDGVSWYTADGEEYAPVTAEDFVTGLKHAVDDKSDALYVVEDSIKNLKAYQNG.EVDFKEVGVKALDDKT  169
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYT  166
NTDB id 324 STU RS16140 WP 011226306.1     DWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYT  166
NTDB id 292 STER RS06940 WP 011681419.1    DWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYT  166
consensus                                  !!*!!*!!!!!!!**!*!**!!!**!!!!!*!!!*!!!!!!!!!!*!*!****!*!*!!!**!**!**!***!!**!!!!!*!**!

logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  VQYTLNKPESYWNSKTTYSVLFPVNAKFLKSKGKDFGT.TDPSSILVNGAYFLSAFTSKSSMEFHKNENYWDAKNVGIESVKLTY  253
NTDB id 475 HSISS4 RS07005 WP 021143809.1  LQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSY  251
NTDB id 324 STU RS16140 WP 011226306.1     LQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSY  251
NTDB id 292 STER RS06940 WP 011681419.1    LQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSY  251
consensus                                  *!!!!*  !!*!!!!!!!!!**!*!!!**!!!*!!!!!!**!!!*!!!*!!***!***!*!!!*!**!!!*!!!*!!!*****!  *!

logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  SDGSDPGSFYKNFDKGEFSVARLYPNDPTYKSAKKNYADNITYGMLTGDIRHLTWNLNRTSFKNTKKD.PAQQDAGKKALNNKDF  337
NTDB id 475 HSISS4 RS07005 WP 021143809.1  YDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDF  336
NTDB id 324 STU RS16140 WP 011226306.1     YDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDF  336
NTDB id 292 STER RS06940 WP 011681419.1    YDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDF  336
consensus                                  *!!!!*******!**!**  *!!**!****!*!**!*!*!!!*!************!**!*!*!***!***  *****!!!!*!!!!

logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  RQAIQFAFDRASFQAQTAGQDAKTKALRNMLVPPTFVTIGESDFGSEVEKEMAKLGDEWKDVNLADAQDGFYNPEKAKAEFAKAK  422
NTDB id 475 HSISS4 RS07005 WP 021143809.1  RQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAK  421
NTDB id 324 STU RS16140 WP 011226306.1     RQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAK  421
NTDB id 292 STER RS06940 WP 011681419.1    RQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAK  421
consensus                                  !!*!*!!*!!***!*!**!*!******!!**!!**!!**!***!!**!***!***!!!!!**!!  *!*!!!*!!*!!!!*!!!!!!

logo
NTDB id 120877 DK92 RS01410 WP 047235658.1  EALTAEGVTFPVQLDYPVDQANAATVQEAQSFKQSVEASLGKENVIVNVLETETSTHEAQGFYAETPEQQDYDII.SSWWGPDYQ  506
NTDB id 475 HSISS4 RS07005 WP 021143809.1  ETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQ  506
NTDB id 324 STU RS16140 WP 011226306.1     DALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQ  506
NTDB id 292 STER RS06940 WP 011681419.1    DALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQ  506
consensus                                  **!*!*!!*!!**!!*!!*!*****!***!!*!!**!*!!!**!!*****************!******!*!!*****!*!!!!
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logo                                        DPRTYLDIMSPVGGGSVIQKLGIKAGQNKDVVAAAGLDTYQTLLDEAAAITDDNDARYKAYAKAQAYLTDNAVDIPVVA.LGGTP
NTDB id 120877 DK92 RS01410 WP 047235658.1  DPRTYLDIMSPVGGGSVIQKLGIKAGQNKDVVAAAGLDTYQTLLDEAAAITDDNDARYKAYAKAQAYLTDNAVDIPVVA.LGGTP   590
NTDB id 475 HSISS4 RS07005 WP 021143809.1   DPSTYLDIFKTTSSENTKTFMGYDD.PNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
NTDB id 324 STU RS16140 WP 011226306.1      DPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
NTDB id 292 STER RS06940 WP 011681419.1     DPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAP   590
consensus                                   !!*!!!!*************!*** *!****!**!!**!**!! *!!**!*!** !!**!!*!!!*!*!****!!*****!**!
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logo                                        RVTKAVPFSGGFSWAGSKGP..LAYKGMKLQDKPVTAKQYEKAKEKWMKAKAKSNAKYAEKLADHVEK
NTDB id 120877 DK92 RS01410 WP 047235658.1  RVTKAVPFSGGFSWAGSKGP..LAYKGMKLQDKPVTAKQYEKAKEKWMKAKAKSNAKYAEKLADHVEK   656
NTDB id 475 HSISS4 RS07005 WP 021143809.1   VISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK.   656
NTDB id 324 STU RS16140 WP 011226306.1      AISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
NTDB id 292 STER RS06940 WP 011681419.1     VISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
consensus                                   ******!!*!******!*!*******!**!*!*!*!!*!*!!***!!!*!*!**!!*!****!**!!*
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X non conserved

X similar

X $\geq$ 50% conserved