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logo
NTDB id 82985 H7678 RS01815 WP 046177889.1  MKKSRWLATLGVAVLSVSVLAACGGKNASGGSDATKAYKYVFVNDPKSLDYILTNGGGTTDVITQMVDGLLENDEYGNLVPSLAK   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 82985 H7678 RS01815 WP 046177889.1  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                                   !!*!!*!!!!!!!**!*!**!!!**!!!!!*!!!*!!!!!!!!!!*!*!****!*!*!!!**!**!**!***!!**!!!!!*!**!

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NTDB id 82985 H7678 RS01815 WP 046177889.1  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 82985 H7678 RS01815 WP 046177889.1  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 82985 H7678 RS01815 WP 046177889.1  RQAINFAIDRKAYQSQINGKDGATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAK  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 82985 H7678 RS01815 WP 046177889.1  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

NTDB id 82985 H7678 RS01815 WP 046177889.1  DPRTYLDIMSPVGGGSVIQKLGIKAGQNQDVVAAAGLDTYQTLLDEAAAITDDNDARYKAYAKAQAYLTDSAVDIPVVA.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

NTDB id 82985 H7678 RS01815 WP 046177889.1  RVSKAIPFSGGFSWAGAKGP..LAYKGMRLQDKPVTAKQYEKAKEKWLKAKAKSNAEYAEKLADHVEK   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 ≥ 50% conserved