logo

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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  MKKSKWLAAVSVAILSVSALAACGNKNASGGSEATKTYKYVFVNDPKSLDYILTNGGGTTDVITQMVDGLLENDEYGNLV  80
NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSSTSG....TTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLV  76
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSG....TTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLV  76
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSNTSG....TTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLV  76
consensus                                     !!!!!!!!***!!*!  !*  !!!!**!****!     *!!*!!***!!**!!!!**!*!*!****!**!!!!*!*!*!!!!!
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  PSLAKDWKVSKDGLTYTYTLRDGVSWYTADGEEYAPVTAEDFVTGLKHAVDDKSDALYVVEDSIKNLKAYQNG.EVDFKE  159
NTDB id 475 HSISS4 RS07005 WP 021143809.1     PSVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSN  156
NTDB id 324 STU RS16140 WP 011226306.1        PSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSN  156
NTDB id 292 STER RS06940 WP 011681419.1       PSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSN  156
consensus                                     !!*!*!!*!!*!!!!!!!!**!*!**!!!**!!!!!*!!!*!!!!!!!!!*!*!****!*!*!!!**!**!**!***!!**
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  VGVKALDDKTVQYTLNKPESYWNSKTTYSVLFPVNAKFLKSKGKDFGT.TDPSSILVNGAYFLSAFTSKSSMEFHKNENY  238
NTDB id 475 HSISS4 RS07005 WP 021143809.1     VGVKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENY  236
NTDB id 324 STU RS16140 WP 011226306.1        VGVKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHY  236
NTDB id 292 STER RS06940 WP 011681419.1       VGVKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHY  236
consensus                                     !!!!!*!**!*!!!!* !!*!!!!!!!!**!*!!!**!!!*!!!!!!**!!!*!!!*!!***!***!*!!!*!**!!!*!
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  WDAKNVGIESVKLTYSDGSDPGSFYKNFDKGEFSVARLYPNDPTYKSAKKNYADNITYGMLTGDIRHLTWNLNRTSFKNT  318
NTDB id 475 HSISS4 RS07005 WP 021143809.1     WDKKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFS  316
NTDB id 324 STU RS16140 WP 011226306.1        WDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYT  316
NTDB id 292 STER RS06940 WP 011681419.1       WDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYT  316
consensus                                     !!*!!!*****! *!*!!!!*******!**!** *!!**!****!*!**!*!*!!!*!************!**!*!*!**
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logo

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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  KKD.PAQQDAGKKALNNKDFRQAIQFAFDRASFQAQTAGQDAKTKALRNMLVPPTFVTIGESDFGSEVEKEMAKLGDEWK  397
NTDB id 475 HSISS4 RS07005 WP 021143809.1     AKKTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS  396
NTDB id 324 STU RS16140 WP 011226306.1        AKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS  396
NTDB id 292 STER RS06940 WP 011681419.1       AKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS  396
consensus                                     *!*** *****!!!!*!!!!!!*!*!!*!!***!*!**!*!******!!**!!**!!**!***!!**!***!***!!!!*
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  DVNLADAQDGFYNPEKAKAEFAKAKEALTAEGVTFPVQLDYPVDQANAATVQEAQSFKQSVEASLGKENVIVNVLETETS  477
NTDB id 475 HSISS4 RS07005 WP 021143809.1     GVNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSD  476
NTDB id 324 STU RS16140 WP 011226306.1        GVNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSD  476
NTDB id 292 STER RS06940 WP 011681419.1       GVNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSD  476
consensus                                     *!!  *!*!!!*!!*!!!!*!!!!!!**!*!*!!*!!**!!*!!*!*****!***!!*!!**!*!!!**!!**********
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  THEAQGFYAETPEQQDYDII.SSWWGPDYQDPRTYLDIMSPVGGGSVIQKLGIKAGQNKDVVAAAGLDTYQTLLDEAAAI  556
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DIQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDD.PNNAAAAQVGLKDYDALLDSAASE  555
NTDB id 324 STU RS16140 WP 011226306.1        DLENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASE  555
NTDB id 292 STER RS06940 WP 011681419.1       DLENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASE  555
consensus                                     ********!******!*!!*****!*!!!!!!*!!!!!************!*** *!****!**!!**!**!! *!!**
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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  TDDNDARYKAYAKAQAYLTDNAVDIPVVAL.GCTPRVTKAVPFSEGFSWAGSKGP..LAYKGMKLQDKPVTAKQYENAKE  633
NTDB id 475 HSISS4 RS07005 WP 021143809.1     TTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSRE  634
NTDB id 324 STU RS16140 WP 011226306.1        TSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSRE  635
NTDB id 292 STER RS06940 WP 011681419.1       TSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSRE  635
consensus                                     !*!** !!**!!*!!!*!*!****!!*****!**!******!!********!*!********!**!*!*!*!!*!*!!***!
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logo

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NTDB id 1136788 DQL27 RS01545 WP 111689462.1  KWMKAKAKSNAKYAEKLADHVEK   656
NTDB id 475 HSISS4 RS07005 WP 021143809.1     KWLKEKKASNEKAQKDLEKHVK.  656
NTDB id 324 STU RS16140 WP 011226306.1        KWLKEKKESNEKAQKDLEKHVK.  657
NTDB id 292 STER RS06940 WP 011681419.1       KWLKEKKESNEKAQKDLEKHVK.  657
consensus                                     !!*!*!**!!*!****!**!!*
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X non conserved
X similar
X ≥ 50% conserved