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logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  MKKSKSKYLTLAGFVL.GTGVLLSACGNSSTVSKTYNYVYSSDPSSLNYLAENRATTNDIVTNLVDGLMENDQYGNYVPS   79
NTDB id 475 HSISS4 RS07005 WP 021143809.1     ..MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPS   78
NTDB id 324 STU RS16140 WP 011226306.1        ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
NTDB id 292 STER RS06940 WP 011681419.1       ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
consensus                                       **!!!*!*!!!**!***!*!******!  !***!!*!!!*!!!**!*!***!***!***!!!*!!!!!!*!*!!!*!!!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  LAEDWTVSQDGLTYTYKLRKDAKWFTSEGEEYAPVTAQDFVTGLQYAADKKSEALYLVQDSVAGLDDYITGKTSDFSTVG  159
NTDB id 475 HSISS4 RS07005 WP 021143809.1     VAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVG  158
NTDB id 324 STU RS16140 WP 011226306.1        VAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVG  158
NTDB id 292 STER RS06940 WP 011681419.1       VAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVG  158
consensus                                     *!!!!*!!  !!!!!!!!*!!**!!*!!*!!!!!*!!!*!!!!!!**!!!*!****!!!!!!*!!!*!!**!***!!!*!!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  IKALDDQTVQYTLARPEPYWNSKTTSTILFPVNADFLKSKGDDFGK.VDPANILYSGPFLMKAFVSKSVIEYKKNPNYWD  238
NTDB id 475 HSISS4 RS07005 WP 021143809.1     VKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWD  238
NTDB id 324 STU RS16140 WP 011226306.1        VKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWD  238
NTDB id 292 STER RS06940 WP 011681419.1       VKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWD  238
consensus                                     *!!*!**!*!!!!**!!!!!!!!!!***!*!!!*!!!!*!!*!!!!**!**!!!*!!!!*!****!!*!!**!!**!!!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  AKNVFVDDVKLTYYDGSDQDALVRNFTDGAYSYARLYPNSSSFEGIKEKYKDDIIYSMQDATSYYWNFNLDRQAYKFTSK  318
NTDB id 475 HSISS4 RS07005 WP 021143809.1     KKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAK  318
NTDB id 324 STU RS16140 WP 011226306.1        KKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAK  318
NTDB id 292 STER RS06940 WP 011681419.1       KKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAK  318
consensus                                     *!!!**!**!  *!!!!!!!!*!!*!*!!!!!!  *!!**!*!!*******!!!!*!*!****!*******!*!!!*!!***!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  TTDIEKKSTQEAVLNKNFRQAINFAYDRTSYGAQTQGEDGATKILRNLVVPPTFVSIKGKDFGEVVASKMVNNYGKEWQG  398
NTDB id 475 HSISS4 RS07005 WP 021143809.1     KTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKM.SSYGDEWSG  397
NTDB id 324 STU RS16140 WP 011226306.1        KTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKM.SSYGDEWSG  397
NTDB id 292 STER RS06940 WP 011681419.1       KTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKM.SSYGDEWSG  397
consensus                                     *!!*!!*!!**!*!!!*!!!*!!!!*!!  *!**!**!*!!!****!!!*!!**!!!***!*!!**!**!!  **!!*!!*!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  INFADGQDPYYNPEKAKAKFAEAKKELEAKGVQFPIHLDATVDQASKKGIQEVSSMKQSIEAALGTENVVIDIQQLSTED  478
NTDB id 475 HSISS4 RS07005 WP 021143809.1     VNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDD  477
NTDB id 324 STU RS16140 WP 011226306.1        VNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDD  477
NTDB id 292 STER RS06940 WP 011681419.1       VNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDD  477
consensus                                     *!**!  !!**!!*!!!!**!!*!!**!*!*!!!!!!!!!!**!*!*!!*****  *!*!!*!!**!!**!!!!!**!!!**!
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logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  YDNSSYLAQTAIQKDYDLYNG.GWSPDYLDPSTYLDIFSVKNGGVLQNLGLDPGEANDKAKAVGLDTYTQMLEEANK.EQ   556
NTDB id 475 HSISS4 RS07005 WP 021143809.1     IQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETT   557
NTDB id 324 STU RS16140 WP 011226306.1        LENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETS   557
NTDB id 292 STER RS06940 WP 011681419.1       LENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETS   557
consensus                                     **!****!**!***!*!**! **!*!!!*!!!!!!!!!!*******************!**!**!!!**!***!**!*****

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  DPAKRYEKYADIQAWLIDSSLAIPNV.SLGGTPSLRKTVPFSAPYSLAGNKG..VESYKYLKVQDKIVTTDEYAKAREKW   633
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKW   636
NTDB id 324 STU RS16140 WP 011226306.1        DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKW   637
NTDB id 292 STER RS06940 WP 011681419.1       DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKW   637
consensus                                     !***!!**!!**!!!!*!!!!*!!*****!**!******!!*******!*!*******!!*!*!*!*!!**!!***!!!!

logo
NTDB id 105968 AAA985 RS07360 WP 000748866.1  LKEKEESNKKAQEELAKHVK   653
NTDB id 475 HSISS4 RS07005 WP 021143809.1     LKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1        LKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1       LKEKKESNEKAQKDLEKHVK   657
consensus                                     !!!!**!!*!!!**!*!!!!
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X non conserved
X similar
X ≥ 50% conserved