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logo
NTDB id 98669 R8615 RS07145 WP 024477843.1  MKKSKSKYLTLAGLVL.GTGVLLSACGNSSTASKTYNYVYSSDPSSLNYLAENRAATSDIVANLVDGLLENDQYGNIIPSLAEDW   84
NTDB id 475 HSISS4 RS07005 WP 021143809.1  ..MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1     ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1    ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                   **!!!*!*!!!**!***!*!******! !***!!*!!!*!!!**!*!***!***!***!*!*!!!!*!*!*!!!**!!*!!!!

logo
NTDB id 98669 R8615 RS07145 WP 024477843.1  TVSQDGLTYTYKLRKDAKWFTSEGEEYAPVTAQDFVTGLQYAADKKSEALYLVQDSVAGLDDYITGKTSDFSTVGVKALDDQTVQ   169
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 98669 R8615 RS07145 WP 024477843.1  YTLVKPELYWNSKTLATILFPVNADFLKSKGDDFGKA.DPSSILYNGPFLMKALVSKSAIEYKKNPNYWDAKNVFVDDVKLIYYD   253
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 98669 R8615 RS07145 WP 024477843.1  GSDQESLERNFTAGAYTTARLFPNSSSYEGIKEKYKNNIIYSMQNSTSYFFNFNLDRKSYNYTSKTSDIEKKSTQEAVLNKNFRQ   338
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 98669 R8615 RS07145 WP 024477843.1  AINFAFDRTSYGAQSEGKEGATKILRNLVVPPNFVSIKGKDFGEVVASKMVNYGKEWQGINFADGQDPYYNPEKSKAKFAEAKKE   423
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 98669 R8615 RS07145 WP 024477843.1  LEAKGVQFPIHLDKTVEVTDKVGIQGVSSIKQSIESVLGSDNVVIDIQQLTSDEFDSSGYFAQTAAQKDYDLYHG.GWGPDYQDP   507
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 98669 R8615 RS07145 WP 024477843.1  STYLDIFNTNSGGVLQNLGLEPGEANDKAKEVGLDVYTQMLEEANK.EQDPAKRYEKYADIQAWLIDSSLVLPSV.SRGGTPSLR   590
NTDB id 475 HSISS4 RS07005 WP 021143809.1   STYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
NTDB id 324 STU RS16140 WP 011226306.1      STYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAIS   593
NTDB id 292 STER RS06940 WP 011681419.1     STYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
consensus                                   !!!!!!!*!*!**************!**!**!!!**!***!**!*****!***!!**!!**!!!!*!!!!!*!*****!**!***

logo
NTDB id 98669 R8615 RS07145 WP 024477843.1  RTVPFAAAYGLTGTKG..IESYKYLKVQDKIVTTDEYAKAREKWLKEKEESNKKAQEELAKHVK   652
NTDB id 475 HSISS4 RS07005 WP 021143809.1   RLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1      RLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1     RLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                   !**!!**!****!*!*******!!*!*!*!*!!**!!***!!!!!!!**!!*!!!**!*!!!!
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X non conserved

X similar

X ≥ 50% conserved