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logo
NTDB id 97956 R8566 RS07480 WP 000748875.1  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 97956 R8566 RS07480 WP 000748875.1  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 97956 R8566 RS07480 WP 000748875.1  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                                  !!!* !!*!!!!!!****!*!!!*!!!!*!!*!!!!**!!*!!!!!!!!!*!*!**!!*!!**!!**!!!*!!!**!**! *!!!

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NTDB id 97956 R8566 RS07480 WP 000748875.1  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 97956 R8566 RS07480 WP 000748875.1  AINFAFDRTSYGAQSEGKEGATKILRNLVVPPNFVSIKGKDFGEVVASKMVNYGKEWQGINFADGQDPYYNPEKAKAKFAEAKKE  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 97956 R8566 RS07480 WP 000748875.1  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 97956 R8566 RS07480 WP 000748875.1  STYLDIFNTNSGGVLQNLGLEPGEANDKAKAVGLDVYTQMLEEANK.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 97956 R8566 RS07480 WP 000748875.1  RTVPFAAAYGLTGTKG..VESYKYLKVQDKIVTTDEYAKAREKWLKEKEESNKKAQEELAKHVK   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