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logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   MKKSKVFAFAGVTLLAATFLAACSGSKDSKSASKKDTTYGYVYNDDPTTLDYTVSSKASVHDITTNGVDGLLENDKYGNL   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1      MKKSKWLALAGVALLSVGALAACSSKS.....STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNL   75
NTDB id 324 STU RS16140 WP 011226306.1         MKKSKWLALAGVALLGVGVLAACSSKS.....NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNL   75
NTDB id 292 STER RS06940 WP 011681419.1        MKKSKWLALAGVALLGVGVLAACSSKS.....NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNL   75
consensus                                      !!!!!**!*!!!*!!****!!!!!***      ***!!!!!!! *!!**!!!**!********!!!!!!!*!*!!!!!!

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   VPSIAEDWSVSKDGLTYTYKIRKGVKWYDADGEEHGEVTAHDFVTGLKHAADKKSESLPLVKDSIKGLKDYSEGKISDFS   160
NTDB id 475 HSISS4 RS07005 WP 021143809.1      VPSVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFS   155
NTDB id 324 STU RS16140 WP 011226306.1         VPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFS   155
NTDB id 292 STER RS06940 WP 011681419.1        VPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFS   155
consensus                                      !!!*!!!!!!!*!!!!!!!!!!!!!*!!!***!!!***!!!*!!!!!!!!!!!*!*****!!*!!!*!!*!!**!***!!!

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   EVGVKAVDDYTLEYTLNQPETFWNSKTTNGVLFPISTEFLKSKGDEFGQPGNVKSILFNGPFLLKSITSKSEITFEKNED   240
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NVGVKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNEN   235
NTDB id 324 STU RS16140 WP 011226306.1         NVGVKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEH   235
NTDB id 292 STER RS06940 WP 011681419.1        NVGVKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEH   235
consensus                                      *!!!!!!*!*!!!*!!!**!!**!!!!!!* *!*!****!!!*!!**!!******!!!*!!!!!!!!!*!*!!*!***!!!*

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   YWDKDNVHIDKIKLSYYDGSDQDSIARGFSDGSYTKARLYPASSNFASVEKKYKDNIYNTQPGSGVAVLGFNIDRQAYNH   320
NTDB id 475 HSISS4 RS07005 WP 021143809.1      YWDKKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKF   315
NTDB id 324 STU RS16140 WP 011226306.1         YWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKY   315
NTDB id 292 STER RS06940 WP 011681419.1        YWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKY   315
consensus                                      !!!!*!!!*!*!! !!!!!!!!****!!!*!!*!**!!**!*!!!**!!!!!!!!!!**!*!!******!*!*!!!*!**

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   TSKTSDEQKSSTKKAILNKDFRQAITFALNRENYSAQVNGKEYAKAAIRNMYTAPAFVQVNGKDFGDVVADKLQTYGDQW   400
NTDB id 475 HSISS4 RS07005 WP 021143809.1      SAKKTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW   395
NTDB id 324 STU RS16140 WP 011226306.1         TAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW   395
NTDB id 292 STER RS06940 WP 011681419.1        TAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW   395
consensus                                      **!**!**!*!!!!!*!!!!!!!!*!*!!**!**!**!*!!!**!****!!******!!****!*!!!*!**!***!!!*!

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   SGVNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSS   480
NTDB id 475 HSISS4 RS07005 WP 021143809.1      SGVNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSS   475
NTDB id 324 STU RS16140 WP 011226306.1         SGVNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSS   475
NTDB id 292 STER RS06940 WP 011681419.1        SGVNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSS   475
consensus                                      !!!! *! !*!!!**!!!!**!*!!!**!!**!!!!!!!!!*!!*!*!***!***!!*!!**!**!!**!!!*!******
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logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   DEVLNITLNVPSAAETDWDLQGLVGWNPDYDDPSTYLDTLQPSSPDQTKTYLGFAGGVDNASAKAVGLDEYAKLLDDAEK   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1      DDIQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAAS   554
NTDB id 324 STU RS16140 WP 011226306.1         DDLENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAAS   554
NTDB id 292 STER RS06940 WP 011681419.1        DDLENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAAS   554
consensus                                      !***!*!!!***!!**!!!****!*!*!!!*!!!!!!!*****!***!! **!**** *!!*!**!!!**!**!! *!**

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   ETLDVVTRYEKFAAAQAWLTDSALVIPTMTSSGAATVVSKVVPFSEPSSQTGNKG..STYFKYVEVQDEPVTKKQYDQAR   638
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSR   633
NTDB id 324 STU RS16140 WP 011226306.1         ETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSR   634
NTDB id 292 STER RS06940 WP 011681419.1        ETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSR   634
consensus                                      !!*!***!!***!*!!!!!*!!*!!!!*****!!!***!***!!***!*!*!*!*** *! !!!**!***!!!!*!*!*!

logo

NTDB id 1141724 DQL20 RS02255 WP 006594957.1   EKWLKEKAESNKKAQQELEKHVK   661
NTDB id 475 HSISS4 RS07005 WP 021143809.1      EKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         EKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        EKWLKEKKESNEKAQKDLEKHVK   657
consensus                                      !!!!!!!**!!*!!!**!!!!!!
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X non conserved
X similar
X $\geq$ 50% conserved