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logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   MKLKKILGITGVALLSVGMLAACSSKSSTSGTTYSNIYGSDPETLDYITSIMGGTKAVLTNGVDGLMEADKYGNLVPSVA   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
consensus                                     !!**!*!***!!!!! !!*!!!!!!!! !!!!!!***!*!!!!*!!!!!!**!*!!***!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADAKSGALYLVQDSITGLSDYLSGANKDFSNVGVK   160
NTDB id 475 HSISS4 RS07005 WP 021143809.1     EDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVK   160
NTDB id 324 STU RS16140 WP 011226306.1        EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK   160
NTDB id 292 STER RS06940 WP 011681419.1       EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK   160
consensus                                     !!!!!!*!!!!!!!!!!!!!*!!!!!*!!!!!!*!!!!!!!!!!!!!!!!!*!*!**!!!!!!!*!!!!!!!! !!!!!!!!!!

logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   AIDDYTLQYTLKKQEPYWNSKTTYGVLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKK   240
NTDB id 475 HSISS4 RS07005 WP 021143809.1     AIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKK   240
NTDB id 324 STU RS16140 WP 011226306.1        AIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK   240
NTDB id 292 STER RS06940 WP 011681419.1       AIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK   240
consensus                                     !!!*!!!!!!!! *!!!!!!!!!! *!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   NVHFDSIKFSYSDGSDLESIERSFSDGALSIARVFPTSSNYASVEKKYKDNIFYTEPGASTSVIGVNIDRQSYKFSAKKT   320
NTDB id 475 HSISS4 RS07005 WP 021143809.1     NVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKT   320
NTDB id 324 STU RS16140 WP 011226306.1        NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKT   320
NTDB id 292 STER RS06940 WP 011681419.1       NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKT   320
consensus                                     !!!!!*!!*!!*!!!!**** !*!*!!!* *!!!*!!!!!!*!!!!!!!!!!!*!!*!!!!!!*!!*!*!!!!!!**!!!!

logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   DAEKTSTKKALLNKDFRQSINFAIDRTAYQSQVNGKDGAALALRNLFVPYDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF   400
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF   400
NTDB id 324 STU RS16140 WP 011226306.1        DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF   400
NTDB id 292 STER RS06940 WP 011681419.1       DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNL   400
consensus                                     ! !!*!!!!!!!!!!!!! !!!!!!! !!!!!*!!!!!! !**!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*

logo
NTDB id 188246 BAY21 RS04060 WP 011226784.1   ADGQDGLYNAEKAKTEFAKAKEALQGEGVQFPVHLDLPVDQSSKLSVAQAQSLKQTIEKSLGSENVVIDINQMSSDDMNN   480
NTDB id 475 HSISS4 RS07005 WP 021143809.1     TDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQN   480
NTDB id 324 STU RS16140 WP 011226306.1        ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLEN   480
NTDB id 292 STER RS06940 WP 011681419.1       ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLEN   480
consensus                                     *! !!!!!!!!!!!!!!!!!!!**!!**!!!!!*!!!!!!*!!!!**!!!*!!!!!!!!!*!!!!*!!!!!*!!*!!!!**!
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logo

NTDB id 188246 BAY21 RS04060 WP 011226784.1  VTSNAANAAAEDWDISNGVGWGPDYQDPSTYLDILKTTSSENTKIFNGYDDPNNAAAAQVGLKDYDALLDSAASETTDIN  560
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLN  560
NTDB id 324 STU RS16140 WP 011226306.1       VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN  560
NTDB id 292 STER RS06940 WP 011681419.1      ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN  560
consensus                                     !*!!!!!!!!!!!!!!  !*!*!!!!!!!!!!!!!*!!!!!!!!!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!  !!!!!!*!*!

logo

NTDB id 188246 BAY21 RS04060 WP 011226784.1  ARYDRYAQAQAWLEDSSLIIPLTVSNGAAPVISRLTPFTGASIQVGDKG..SSYVKYVKSQEKVVTKKEYEQSREKWLKE  638
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKE  639
NTDB id 324 STU RS16140 WP 011226306.1       VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE  640
NTDB id 292 STER RS06940 WP 011681419.1      VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE  640
consensus                                     !!!!!!!!!!!!!!!!!!!*!!!!!*!!!!!*!!!!!!!!!!!*!!!!!*** *!*!!!!*!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 188246 BAY21 RS04060 WP 011226784.1  RKASNEKAQKDLEKHVK  655
NTDB id 475 HSISS4 RS07005 WP 021143809.1    KKASNEKAQKDLEKHVK  656
NTDB id 324 STU RS16140 WP 011226306.1       KKESNEKAQKDLEKHVK  657
NTDB id 292 STER RS06940 WP 011681419.1      KKESNEKAQKDLEKHVK  657
consensus                                    *! !!!!!!!!!!!!!!
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X non conserved
X similar
X ≥ 50% conserved