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logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  MKKSKIITLAALALLATGTLAACSSSKTGSGNKTFSYVYEQDPDNLNYLTTGKAATANLTSNVIDGLLENDRYGNLVPSV   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1       MKKSKWLALAGVALLSVGALAACSSKSSTS.GTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSV   79
NTDB id 324 STU RS16140 WP 011226306.1          MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
NTDB id 292 STER RS06940 WP 011681419.1         MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
consensus                                       !!!!!***!!**!!!**!*!!!!!!****! **!**!!!**!!**!*!*!*****!*****!**!!!*!*!*!!!!!!!!!

logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  AKDWIVSKDGLTYTYTLRKGVKWYTSEGEEYAEVKAQDFVTGLKYAADNKSDAIYLVQDSVKGLDAYMKGENKDFSSVGI  160
NTDB id 475 HSISS4 RS07005 WP 021143809.1       AEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGV  159
NTDB id 324 STU RS16140 WP 011226306.1          AEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGV  159
NTDB id 292 STER RS06940 WP 011681419.1         AEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGV  159
consensus                                       !*!!*!!*!!!!!!!**!!!*!!!!!*!!!!!*!*!*!!!!!!!*!!!*!****!!!!!!**!!**!**!*!!!!!*!!*

logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  KAVDDYTVQYTLNRPESFWNSKTTMGVLAPVNAEFLKSKGNKFAQATDPSSLLYNGPYLLKSITAKSSVEFAKNPNYWDK  240
NTDB id 475 HSISS4 RS07005 WP 021143809.1       KAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDK  239
NTDB id 324 STU RS16140 WP 011226306.1          KAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDK  239
NTDB id 292 STER RS06940 WP 011681419.1         KAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDK  239
consensus                                       !!*!*!!*!!!!**!!**!!!!!!* *!*!!!**!!!*!!**!***!!!*!*!!!!!*!!!!*!!!!!*!**!!**!!!!

logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  KNVHIDNIKLSYYDGQDQDKLAKGFSDGSFTNAKVFPTSPSYASVSKKYKDNIVYTPQDATTYLVATNIDRQSYKHTSKT  320
NTDB id 475 HSISS4 RS07005 WP 021143809.1       KNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKK  319
NTDB id 324 STU RS16140 WP 011226306.1          KNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKK  319
NTDB id 292 STER RS06940 WP 011681419.1         KNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKK  319
consensus                                       !!!!*!*!! !!!!!*!!**!**!!*!!****!*!*!!!**!*!!*!!!!!!!*!!***!*!*****!*!!!!!!***!*

logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  TDAQKTSTKKALLNKDFRQAITFAFDRTAYASQVNGKDGATKMLRNLFVPPTFVQTDDKSFGELVKEKLVSYDESWKDVN  400
NTDB id 475 HSISS4 RS07005 WP 021143809.1       TDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN  399
NTDB id 324 STU RS16140 WP 011226306.1          TDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN  399
NTDB id 292 STER RS06940 WP 011681419.1         TDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN  399
consensus                                       !! *!*!!!!!!!!!!!!!!!*!*!!*!! !!*!!*!!!!!!****!!!!!!**!!***!!*!!*!!*!!**!!***!**!!

logo

NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  LNDAQDGLYNPTKAKEKLAKAKAALQADGVQFPIHIDMPVDQTATNKVQRVQSLKQSIEKNLGKENVVIDIQQMSKDDVN  480
NTDB id 475 HSISS4 RS07005 WP 021143809.1       FTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQ  479
NTDB id 324 STU RS16140 WP 011226306.1          FADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLE  479
NTDB id 292 STER RS06940 WP 011681419.1         LADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLE  479
consensus                                        *!*!!!!!!**!!!***!!!!**!!!!!!!!!!!!*!*!!*!*****!** !!!!!*!!**!!**!!!!!**!*!*!!**
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logo
NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  NITYFAESAAAEDWDLSDNVGWSPDFQDPSTYLDVIKPSSGESTKTYLGFDAGTNNAAAAQVGMNEYEKLLNEAEKETNN   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1       NATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAASETTD   558
NTDB id 324 STU RS16140 WP 011226306.1          NVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSD   558
NTDB id 292 STER RS06940 WP 011681419.1         NATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSD   558
consensus                                       !*!**!**!!!!!!!*!**!*!!*!!!!!!!!**!**!*!*!! **!*!** !!!!!!!!!***!**!!**!**!!**

logo
NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  TNARYEKYAAAQAWLTDNALVIPTTTLTG.RPILSRTVPFTNPFAWSGNKGNSEIILYKYLELQDEPVTQDQYKKAMTKW   639
NTDB id 475 HSISS4 RS07005 WP 021143809.1       LNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKN.S.SDYFKYVKPQEKVVTKKEYEQSREKW   636
NTDB id 324 STU RS16140 WP 011226306.1          LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKW   637
NTDB id 292 STER RS06940 WP 011681419.1         LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKW   637
consensus                                       *! !!**!!*!!!!!*!**!!!!*!***!**!**!!**!!!******!*!* !*****!!***!***!!***!*****!!

logo
NTDB id 156796 SanJ4206 RS07700 WP 022525150.1  NKERSKSNKKAQEELADHVK   659
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 $\geq$ 50% conserved