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logo
NTDB id 156031 RN80 RS07370 WP 060628498.1  MKSKKWLLTAGVVLSTTALLVACGKADKEADAPTTFSYVYAVDPASLDYSVATRTSTTDVIGNVVDGLMENDQYGNVIPSLAEDW   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKS..STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1  MKKSKWLALAGVALLGVGVLAACSSKS..NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1  MKKSKWLALAGVALLGVGVLAACSSKS..NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                !!**!!!**!!!*!*****!*!!****  ****!!**!!!**!!**!!!*******!*****!*!!!!!!*!*!!!**!!*!!!!

logo
NTDB id 156031 RN80 RS07370 WP 060628498.1  SVSKDGLTYTYKLRKGVKWYTSEGEEYAEVTAHDFVTGLKHVADGKSDGVSLIQNSIKGLDAYMTGETNDFSTVGIKALDDYTVE   170
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 156031 RN80 RS07370 WP 060628498.1  YTLNKPESFWNSKVTTATMLPVNEEFLKASGKDYGAV.TPAGILYNGPYILKTLTSKSLIEYEKNPNYWDKEKVKIEKIKLIYYD   254
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 156031 RN80 RS07370 WP 060628498.1  GSDQESLIRSFSSGAYTTARLFPSSSNFASTLEQYGDKITYSPQDSSSYYFTFNVNRQSYNKTAKTSEEQKTSTKEAMLNKDFRQ   339
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 156031 RN80 RS07370 WP 060628498.1  AINFAFNRHSYAAQLNGEDGADKIIRNSLVPDNFVQAGGKNFGQIAQAELVNYGDQWKGVELVDGKDSIYNPDKAKVAFEKAKKD   424
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 156031 RN80 RS07370 WP 060628498.1  LESKGVTFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDVLQMTDNEKETITSQARVPSQKDYDL.NSTGWAPSYQDP   508
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 156031 RN80 RS07370 WP 060628498.1  ASYLNIMDPKSGSAMKHLGIIKGKDKDVVAKLGLDQYKKLLDDADSETTNLEERYEKYAKAQAWLTDSSLLMPTAS.SGGSPVVS   592
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 156031 RN80 RS07370 WP 060628498.1  NVVPFSKPYSQVGIKGD.PYIFKGMKLQKDIVTTKEYEEALKKWQKEKLESNGKYQKELEKHIK   655
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