```
logo
NTDB id 62888 N597 RS01090 WP 023022220.1  MKKYIFMRILRSLVSIFLVTTLTYTIIYTLTPRNLIFKNDPNYNKIAKTKDSKINYENTVYDRMGYIEYLDSKALKEKASKEDSS   85
NTDB id 476 HSISS4 RS06995 WP 013990225.1  MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERMGYIDYYDTKELQEKASSLDKS   85
NTDB id 293 STER RS06925 WP 011681416.1    MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKASSLDKS   85
NTDB id 325 STU RS16125 WP 002946410.1     MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKASSLDKS   85
consensus                                  !!!!!**!*!!!!*!!!*!!*!!!!!!!!!**!!*!!!**!!!!!!!!!!*!!!*!!!!!*!*!*!!!*!*!*!*!*!!!!**!*!
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logo
NTDB id 62888 N597 RS01090 WP 023022220.1  VTVEPTKENEKIYKKYISNLGNGWVLKRFPENKGFYATREVPVFERVIGFYGNLIQIDHPNVIKDASNPKLERYIRIENDPAIGW   170
NTDB id 476 HSISS4 RS06995 WP 013990225.1  VTTKPTKENKAIYQKYVDSLGHGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW   170
NTDB id 293 STER RS06925 WP 011681416.1    VTTKPTKENKAVYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW   170
NTDB id 325 STU RS16125 WP 002946410.1     VTTKPTKENKAIYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW   170
consensus                                  !!**!!!!!***!*!!***!!*!!*!**!***!*!!!!!*!!!*!!!*!!!**!***!*****!!**!!*!*!!!!!!!!!!!!!
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logo
NTDB id 62888 N597 RS01090 WP 023022220.1  SVVGSGTKHKYLLYFNGQFPFIHQNFVSLNLGESYPTYSNTPVLQVITQGQGTTKKSEVNFPTGKKESSINIYSRTYKSPSKADA   255
NTDB id 476 HSISS4 RS06995 WP 013990225.1  SVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTQSSEVNFPTGKKVSSVDIYSRTYKSPSQADA   255
NTDB id 293 STER RS06925 WP 011681416.1    SVVGSGTKHKYLLYFNGQFPFVHQNFVKMNLGTSYPTYAGQGVLDVITQGQGQTKSSVVNFPTGKKISSVDIYSRTYKSPSQADA   255
NTDB id 325 STU RS16125 WP 002946410.1     SVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTKSSVVNFPTGKKISSVDIYSRTYKSPSQADA   255
consensus                                  !!!!!!!!!!!!!!!!! !!!!*!!!!!**!!!*!!!!!****!!*!!!!!!!*!**! !!!!!!!!*!!**!!!!!!!!!!*!!!
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logo
NTDB id 62888 N597 RS01090 WP 023022220.1  QDIARFGKGDAYTATLSNYENPSMIVSSAIIGLIGIAIAYLIAIPLGSYMALLKNTWFDSASTATLTFMMSLPTIALVYIVRLAG   340
NTDB id 476 HSISS4 RS06995 WP 013990225.1  RDRSYYG.DDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMARFKNTLFDSVSTGILTFLLSLPTIALVYIIRLIG   339
NTDB id 293 STER RS06925 WP 011681416.1    RDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTLFDSVSTGVLTFLLSLPTIALVYIIRLIG   339
NTDB id 325 STU RS16125 WP 002946410.1     RDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTIFDSVSTGVLTFLLSLPTIALVYIIRLIG   339
consensus                                  *!****! *!*!!!!*!*!**!!!**!!!!*!!!!****!**!!!!!!!!!**!!!*!!!*!!**!!!**!!!!!!!!!!*!!*!
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logo
NTDB id 62888 N597 RS01090 WP 023022220.1  SSIGLPDSFPVLGAQDWRSYVLPSVILGLLSAPGLAVWIRRYMIDLHSQDFVRFARAKGLSEKEISRKHIFKNAMVPIVTGIPVQ   425
NTDB id 476 HSISS4 RS06995 WP 013990225.1  SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHIFKNAMVSLVSGIPAS   424
NTDB id 293 STER RS06925 WP 011681416.1    SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHILKNAMVSLVSGIPAS   424
NTDB id 325 STU RS16125 WP 002946410.1     SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHILKNAMVSLVSGIPAS   424
consensus                                  !*!!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!*!!!!*!!!!!!!!!*!!!!!!!!!!!!!!!!!*!!!*!!! !!!!!**!*!!!**
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logo
NTDB id 62888 N597 RS01090 WP 023022220.1  LVLVISGATLTETVFAFPGMGKMLIDSIKASNNTMVVGLVFIFTVLAVFGAMAGDILMVMVDPRIKLTTKKGGK   499
NTDB id 476 HSISS4 RS06995 WP 013990225.1  IVSVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALTIFSLLVGDILMTMIDPRIKLTSKGGK.   497
NTDB id 293 STER RS06925 WP 011681416.1    IVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVGDILMTIIDPRIKLTSKGGK.   497
NTDB id 325 STU RS16125 WP 002946410.1     IVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVGDILMTIIDPRIKLTSKGGK.   497
consensus                                  *!*!!*!!!!!!!!*!!*!!!!!!!!!!!!**!!!!*!!!!!!!!!!*!**!*****!!!!!***!!!!!!!*!*!*
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X non conserved
X similar
X $\geq$50% conserved