```
logo
NTDB id 20216 SPG 1777 ACF55100.1          MKKYIFMRVLRSLVSIFLVTTLTYTIIYTLVPRKLIFKQDPNYNKIATTADKRDNYENTVFERMGYIEYYDTKELQEKASSMDSS   85
NTDB id 476 HSISS4 RS06995 WP 013990225.1  MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERMGYIDYYDTKELQEKASSLDKS   85
NTDB id 325 STU RS16125 WP 002946410.1     MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKASSLDKS   85
NTDB id 293 STER RS06925 WP 011681416.1    MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKASSLDKS   85
consensus                                  !!!!!**!*!!!!*!!!*!!*!!!!!!!!!*!!!*!!!*!!!!!!!!!*!!!***!!!!!**!!*!!!*!!!!!!!!!!!!!*!*!

logo
NTDB id 20216 SPG 1777 ACF55100.1          VTVEANATNKAIYEKYINQLGHGWTLGEFTESGQFYATREIPIFERVFHFYANLIDIDHTNKIQDPENPDLKRYLRFENDPAIGW  170
NTDB id 476 HSISS4 RS06995 WP 013990225.1  VTTKPTKENKAIYQKYVDSLGHGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW  170
NTDB id 325 STU RS16125 WP 002946410.1     VTTKPTKENKAIYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW  170
NTDB id 293 STER RS06925 WP 011681416.1    VTTKPTKENKAVYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYIRIENDPAIGW  170
consensus                                  !!******!!!*!*!!***!!*!!*!**!**!*!!!!!!**!**!!!!*!!**!***!*!****!**!!*!!!!*!*!!!!!!!!

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NTDB id 20216 SPG 1777 ACF55100.1          SLVGSGTKHKYLLYFNSQFPFVHQNFVNLNLGDSYPTYANTPVLQVITQGQGQTKTASVQVQFPTGKKTSSVNIYSRIYKSPSQADS  255
NTDB id 476 HSISS4 RS06995 WP 013990225.1  SVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTQSSEVNFPTGKKVSSVDIYSRTYKSPSQADA  255
NTDB id 325 STU RS16125 WP 002946410.1     SVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTKSSVVNFPTGKKISSVDIYSRTYKSPSQADA  255
NTDB id 293 STER RS06925 WP 011681416.1    SVVGSGTKHKYLLYFNGQFPFVHQNFVKMNLGTSYPTYAGQGVLDVITQGQGQTKSSVVNFPTGKKISSVDIYSRTYKSPSQADA  255
consensus                                  !*!!!!!!!!!!!!!!!*!!!!!!!!!!**!!!*!!!!!!***!!*!!!!!!!!!****!*!!!!!!*!!!*!!!!*!!!!!!!!*

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NTDB id 20216 SPG 1777 ACF55100.1          REVASYGKDDPYTATESNYQYPSMIVSSAITGLIGLVLAYALAVPLGSAMARFKNTWIDSLSTGTLTFLLALPTIALVYIVRLIG  340
NTDB id 476 HSISS4 RS06995 WP 013990225.1  RDRSYYG.DDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMARFKNTLFDSVSTGILTFLLSLPTIALVYIIRLIG  339
NTDB id 325 STU RS16125 WP 002946410.1     RDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTIFDSVSTGVLTFLLSLPTIALVYIIRLIG  339
NTDB id 293 STER RS06925 WP 011681416.1    RDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTLFDSVSTGVLTFLLSLPTIALVYIIRLIG  339
consensus                                  !****!!  !!!!!!!*!*!!!!!!**!!!!*!!!!!!!*!!!!*!!!!*!!  !!!!**!!*!!!*!!!!!*!!!!!!!!!*!!!!

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NTDB id 20216 SPG 1777 ACF55100.1          SSIALPDSFPILGAGDWRSYVLPAVILGLLGAPLTAIWIRRYMIDLQSQDFVRFARAKGLSEKEISNKHIFKNAMVPLVSGIPGA  425
NTDB id 476 HSISS4 RS06995 WP 013990225.1  SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHIFKNAMVSLVSGIPAS  424
NTDB id 325 STU RS16125 WP 002946410.1     SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHILKNAMVSLVSGIPAS  424
NTDB id 293 STER RS06925 WP 011681416.1    SEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKGLSEQEISNKHILKNAMVSLVSGIPAS  424
consensus                                  !*!*!!!!!!!!!!!!!!!!!!!!!!*!!!!!!**!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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NTDB id 20216 SPG 1777 ACF55100.1          IIGVIGGATLTETVFAFPGMGKMLIDSVKASNNSMVVGLVFIFTCISIFSRLLGDIWMTIIDPRIKLTEKGGK  498
NTDB id 476 HSISS4 RS06995 WP 013990225.1  IVSVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALTIFSLLVGDILMTMIDPRIKLTSKGGK  497
NTDB id 325 STU RS16125 WP 002946410.1     IVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVGDILMTIIDPRIKLTSKGGK  497
NTDB id 293 STER RS06925 WP 011681416.1    IVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVGDILMTIIDPRIKLTSKGGK  497
consensus                                  !**!!*!!!!!!!*!!*!!!!!!!!!!!!*!!!!*!!!!!!!!!!***!!!*!*!!!!*!!*!!!!!!!!!*!!!!
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X non conserved
X similar
X $\geq$50% conserved