```
logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  MKKYIVERLFRSLISILLVTTLTYVIVFTLVPSNLIFRQDPNYNKMVTTPDKKDNYRNSVFERMGYISYYNSKELEIKAE   80
NTDB id 476 HSISS4 RS06995 WP 013990225.1     MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERMGYIDYYDTKELQEKAS   80
NTDB id 293 STER RS06925 WP 011681416.1       MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKAS   80
NTDB id 325 STU RS16125 WP 002946410.1        MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKAS   80
consensus                                     !!!!!**!**!!!*!!**!!*!!!*!**!*!!**!!!!!!!!!!!!***!*!*!*!!*!***!!*!!!*!!**!!!**!!*

logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  KIDSSVTVEPTKKNETIYKKYIASLGRGWQLKQFKESKRFYATRQIPIYERVWNFFTRLVVIDHPWKIKDSKNPNLERYV  160
NTDB id 476 HSISS4 RS06995 WP 013990225.1     SLDKSVTTKPTKENKAIYQKYVDSLGHGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI  160
NTDB id 293 STER RS06925 WP 011681416.1       SLDKSVTTKPTKENKAVYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI  160
NTDB id 325 STU RS16125 WP 002946410.1        SLDKSVTTKPTKENKAIYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI  160
consensus                                     **!*!!!**!!!*!***!*!!**!!!*!!*!*!!!*!!*!!!!!**!**!!!**!*!*!***!*****!!**!!!!*!!*

logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  RPEMDPAVGPALVGSGTKHKYLIYFNGQFPFVHQNIVKFDLGTSYPTYANIPVIQVITQGQGRSLSKEVKFPTGVTKSSP  240
NTDB id 476 HSISS4 RS06995 WP 013990225.1     RIENDPAIGWSVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTQSSEVNFPTGKK.VSS  239
NTDB id 293 STER RS06925 WP 011681416.1       RIENDPAIGWSVVGSGTKHKYLLYFNGQFPFVHQNFVKMNLGTSYPTYAGQGVLDVITQGQGQTKSSVVNFPTGKK.ISS  239
NTDB id 325 STU RS16125 WP 002946410.1        RIENDPAIGWSVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTKSSVVNFPTGKK.ISS  239
consensus                                     !*!*!!!*!***!!!!!!!!!!*!!! !!!!!!!!*!!**!!!!!!!!!***!**!!!!!!***!* !*!!!!** *!*

logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  IDIYSRTYKSPRLMDARDRANFGKDDAYSATRNNHAEPSMISNSFKIGIAGVLLSYLFGLPIGMLMSYYKDGLFDRFSTA  320
NTDB id 476 HSISS4 RS06995 WP 013990225.1     VDIYSRTYKSPSQADARDRSYYGD.DPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMARFKNTLFDSVSTG  318
NTDB id 293 STER RS06925 WP 011681416.1       VDIYSRTYKSPSQADARDRSYYGN.DPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTLFDSVSTG  318
NTDB id 325 STU RS16125 WP 002946410.1        VDIYSRTYKSPSQADARDRSYYGN.DPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTIFDSVSTG  318
consensus                                     *!!!!!!!!!!***!!!!!***!* !*!*!!******!!!***!***!**!**!!!****!*!**!***!***!**!!*

logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  TTTFMLALPSIALVYIVRFIGSSVGLPDTFPLLGAGDPRSYVLPALILGILGTPGTVVWFRRYLVDLQGSDFVRFARAKG  400
NTDB id 476 HSISS4 RS06995 WP 013990225.1     ILTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG  398
NTDB id 293 STER RS06925 WP 011681416.1       VLTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG  398
NTDB id 325 STU RS16125 WP 002946410.1        VLTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG  398
consensus                                     **!!*!*!!*!!!!!!*!*!!!**!!!!*!!*!!!!!*!!!!!!**!!!*!*!!!***!*!!!**!!!**!!!!!!!!!!

logo
NTDB id 1024850 ABW635 RS02230 WP 003100862.1  LTEAEISKHHLFKQAMVPIVNGIPQAIVSTIAGATLTETVFAFPGMGKMLIDAIKVANNSMVVGLVFIFAVLSIIALLVG  480
NTDB id 476 HSISS4 RS06995 WP 013990225.1     LSEQEISNKHIFKNAMVSLVSGIPASIVSVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALIIFSLLVG  478
NTDB id 293 STER RS06925 WP 011681416.1       LSEQEISNKHILKNAMVSLVSGIPASIVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVG  478
NTDB id 325 STU RS16125 WP 002946410.1        LSEQEISNKHILKNAMVSLVSGIPASIVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVG  478
consensus                                     !*!*!!!**!* !*!!!**!*!!!**!! *!*!!!!!!!*!!*!!!!!!!!!*****!!*!!!!!!!!!!**!*!**!!!!
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logo                                          DILMTIIDPRIKLTSKGGK

NTDB id 1024850 ABW635 RS02230 WP 003100862.1 DLLMTILDPRIKLSSKGGK   499
NTDB id 476 HSISS4 RS06995 WP 013990225.1     DILMTMIDPRIKLTSKGGK   497
NTDB id 293 STER RS06925 WP 011681416.1       DILMTIIDPRIKLTSKGGK   497
NTDB id 325 STU RS16125 WP 002946410.1        DILMTIIDPRIKLTSKGGK   497
consensus                                     !*!!!**!!!!!!*!!!!!
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X non conserved
X similar
X $\geq$ 50% conserved