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logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   MKKYIIERILRSLISILLVTTLTYVIVFTLVPTNLIFKQDPNYNKMVTTPDKKENYRNTIFERMGYISYYNSKELEAKAE   80
NTDB id 476 HSISS4 RS06995 WP 013990225.1     MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERMGYIDYYDTKELQEKAS   80
NTDB id 325 STU RS16125 WP 002946410.1        MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKAS   80
NTDB id 293 STER RS06925 WP 011681416.1       MKKYILLRTLRSLLSIFVVTALTYTIIYTMVPRRLIFRQDPNYNKIAKTADSKANYENTIYERLGYIDYYDTKELQEKAS   80
consensus                                     !!!!!**!*!!!!*!!**!!*!!!*!**!*!!**!!!*!!!!!!!***!*!*!*!!*!!!*!!*!!!*!!**!!!**!!*

logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   KIDKSVSVEPSKANQKIYQAYIKSIGNGWKLKRFEESKKFYAVRNIPIYERVWNFFSHLIVIDHPWVIKDKSNPNLARYI   160
NTDB id 476 HSISS4 RS06995 WP 013990225.1     SLDKSVTTKPTKENKAIYQKYVDSLGHGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI   160
NTDB id 325 STU RS16125 WP 002946410.1        SLDKSVTTKPTKENKAIYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI   160
NTDB id 293 STER RS06925 WP 011681416.1       SLDKSVTTKPTKENKAVYQKYVDSLGRGWRLHQFKQSKQFYATRDVPVLERVFGFYTHLFEFDNTGWVKDKTNPNLKRYI   160
consensus                                     **!!!!***!*!*!***!!*!**!*!*!!*!**!**!!*!!!*!**!**!!!**!**!!***!*****!!!*!!!!*!!!

logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   RPEIDPAVGPALVGSGTKHKYMLYFNKQFPFVHQNFIGFNLGISYPTYANIPVIQVITQEQGRTLSKEVTFPNGTKKFSP   240
NTDB id 476 HSISS4 RS06995 WP 013990225.1     RIENDPAIGWSVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTQSSEVNFPTGK.KVSS   239
NTDB id 325 STU RS16125 WP 002946410.1        RIENDPAIGWSVVGSGTKHKYLLYFNSQFPFVHQNFVKMNLGTSYPTYAEQGVLDVITQGQGQTKSSVVNFPTGK.KISS   239
NTDB id 293 STER RS06925 WP 011681416.1       RIENDPAIGWSVVGSGTKHKYLLYFNGQFPFVHQNFVKMNLGTSYPTYAGQGVLDVITQGQGQTKSSVVNFPTGK.KISS   239
consensus                                     !*!*!!!*!***!!!!!!!!!*!!!!*!!!!!!!!!***!!!*!!!!!!***!**!!!!*!!*!*!* !*!!*!* !*!*

logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   INIYSRTYKSPSKADVRDRMNFGKDDPYTATENNHAEPSMISNSFIIGMIGVLLSYIFGLPIGMLMAYYKDGIFDRFSTG   320
NTDB id 476 HSISS4 RS06995 WP 013990225.1     VDIYSRTYKSPSQADARDRSYYG.DDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMARFKNTLFDSVSTG   318
NTDB id 325 STU RS16125 WP 002946410.1        VDIYSRTYKSPSQADARDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTIFDSVSTG   318
NTDB id 293 STER RS06925 WP 011681416.1       VDIYSRTYKSPSQADARDRSYYG.NDPYTATKSRYQYPSMVTSSAIAGLIGLVLSYALAIPLGSYMALFKNTLFDSVSTG   318
consensus                                     **!!!!!!!!!!!*!!*!!!***!  !!!!!!******!!!***!*!*!*!!**!!!****!*!**!!**!***!!**!!!

logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   ATTFMLALPSIALIYIVRFIGSMVGLPDTFPLLGASDPKSYVLPALILGILGTPGNVVWFRRYLVDLQGSDFVRFARAKG   400
NTDB id 476 HSISS4 RS06995 WP 013990225.1     ILTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG   398
NTDB id 325 STU RS16125 WP 002946410.1        VLTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG   398
NTDB id 293 STER RS06925 WP 011681416.1       VLTFLLSLPTIALVYIIRLIGSEIGLPDSFPILGAGDWRSYVLPSVILGLLSTPGLAIWIRRYMIDLQSQDFVRFARAKG   398
consensus                                     **!!*!*!!*!!!!*!!*!*!!!**!!!!*!!*!!!*!**!!!!!**!!!*!*!!!***!*!!!**!!!**!!!!!!!!!!

logo

NTDB id 1121999 EL147 RS03980 WP 007893616.1   LTEAEISKNHLFKQAMVPIVNGIPQAVVATIAGATLTETVFAFPGMGKMLIDAIKVANNAMVVGLVFIFAVLSILALLAG   480
NTDB id 476 HSISS4 RS06995 WP 013990225.1     LSEQEISNKHIFKNAMVSLVSGIPASIVSVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALTIFSLLVG   478
NTDB id 325 STU RS16125 WP 002946410.1        LSEQEISNKHILKNAMVSLVSGIPASIVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVG   478
NTDB id 293 STER RS06925 WP 011681416.1       LSEQEISNKHILKNAMVSLVSGIPASIVGVITGATLTETIFAYPGMGKMLIDSVRASNNAMVVGLVFIFTALSIFSLLVG   478
consensus                                     !*!*!!!**!* !*!!!**!*!!!***!**!*!!!!!!!*!!*!!!!!!!!!!*****!!!!!!!!!!!!**!*!**!!*!
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logo                                                  DILMTILDPRIKLTSKGGK

NTDB id 1121999 EL147 RS03980 WP 007893616.1          DILMTILDPRIKLSSKGGK   499
NTDB id 476 HSISS4 RS06995 WP 013990225.1             DILMTMIDPRIKLTSKGGK   497
NTDB id 325 STU RS16125 WP 002946410.1                DILMTIIDPRIKLTSKGGK   497
NTDB id 293 STER RS06925 WP 011681416.1               DILMTIIDPRIKLTSKGGK   497
consensus                                             !!!!!**!!!!!!*!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved