```
logo
NTDB id 1126893 FGK94 RS07610 WP 014623463.1  MKKYIFERILRSLVSILLVTALTYTIVFTLVPKSLIFKQDPNYNKMVTTPDKKTNYLNTVFENMGYISYYSSKELQNKAS   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 1126893 FGK94 RS07610 WP 014623463.1  KLDPAVTTAPTKANEKIYQKYIASIGNGWKLGRFTESKGFYAVREIPIYERVWNFFSHLVVIDHPWKIKDPKNPNLERYV  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 1126893 FGK94 RS07610 WP 014623463.1  RPEIDPAVGPALVGSGTKHKYLIYFNKQFPFIHQNIITFDLGVSYPTYANIPVVQVITQGQGRTLQKEVTFPTGKTKLSS  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 1126893 FGK94 RS07610 WP 014623463.1  IDIYSRTYKTPSSLDSKDIANFGKGDAYTNTQNNYAEPSMIANSFKIGIVGVLLSYLFGLPIGMLMAYYKNGWFDRFSTA  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 1126893 FGK94 RS07610 WP 014623463.1  ATTFMLALPSIALIYIVRFVGSYLGLPDTFPLLGAGDVRSYVLPALILGILGTPSTVVWFRRYIVDLQGSDFVRFARAKG  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 1126893 FGK94 RS07610 WP 014623463.1  LSEFEISKNHLFKQAMVPIVNGIPQAIVGTIAGATLTETVFAFPGMGKMLIDSIKAANNSMVVGLVFIFAVLSILALLVG  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                                    !!!*!!!**!* !*!!!**!*!!!**!!**!*!!!!!!!*!!*!!!!!!!!!!!**!*!*!!!!!!!!!**!*!**!!!!
```

```
logo

NTDB id 1126893 FGK94 RS07610 WP 014623463.1  DILMTILDPRIKLSGKGGK   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                                     !!!!!**!!!!!!**!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved