logo
NTDB id 1426 RS RS05575 WP 011001070.1 MRALLIGFVAGCMALQTRPALAPVWQPALLGLACLLAMALLRRGARLPRLVPVMAVLAAACAGFGWSDWRAQQRLSVVLA 80
NTDB id 325585 EGY18 RS04860 WP 016852665.1 MRLGLPALAAGLLALRFLAELPS.....VGWLLGMAAAG....LLLLFGRLYWLGLFLLGFAWACGSAQVALDGRLA 68
NTDB id 1199 PSJM300 12650 AFN78592.1 MRAGMLALAAGLLLLRFLPQLPS.....FGWLLALAPVG....LLLLPFRWRPLAFFLFGLVWACLNAQWALDDRLP 68
consensus
logo
NTDB id 1426 RS RS05575 WP 011001070.1 PAWEGKDIRATGVVAELPEVTEDATRFLFRIESSDAGDAVPPRVRLSWYGLRSWHERQREAEAATDRRAGIPDLQPGQRW 160
NTDB id 325585 EGY18 RS04860 WP 016852665.1 AELDGRTLWLEGRVVDLPASGEGVTRFRLEEVRGARGVLLPERLRLSWRG.....APPLMGGERW 128
NTDB id 1199 PSJM300 12650 AFN78592.1 VDLDGRTFWLEGQVTGLPDRRGDVVRFELEDIHS.RHAGLPSRIRLAWYG.....GPEIRSGERW 127
consensus
logo
NTDB id 1426 RS RS05575 WP 011001070.1 QLTLRLKRPHSLMNPGGFDGEYAMLADDVRAAGYVYTGKRARNALMGEADAGSGVGLRVERWRAAVRRHLLAALPEARYA 240
NTDB id 325585 EGY18 RS04860 WP 016852665.1 RLAVTLKRPRGLVNAAGFDYEAWLLAQRVGAVGTVKAGQRLQPAS.....GLDAWRDAWRQRLLAVDAQG.RG 195
NTDB id 1199 PSJM300 12650 AFN78592.1 RLAARLKRPSGMVNPSAFDYEAWLLARRIGATGTIKAGERIAEAA.....SSGAWRDRLRQRLLTVEAHG.RA 194
consensus
logo
NTDB id 1426 RS RS05575 WP 011001070.1 PVIVALVVGDQSGIAQADWERFRRTGISHLVSISGLHITMIAGLFGALWMALWRRSFGLARWLRTPLPLRMPAQRAGAVA 320
NTDB id 325585 EGY18 RS04860 WP 016852665.1 AALAALVLGDGSGLSAAEWRMFQDTGTVHLMVISGSHISLLAGMLYGLVAALHRLG.....C..WPRRLPWLPCACAL 266
NTDB id 1199 PSJM300 12650 AFN78592.1 GAIAALVVGDGSGLSTADWRVLQDTGTVHLMVISGQHVGMLAGLLYAVVLLLARWG.....I..WPQRLPWLPWACGL 265
consensus
logo
NTDB id 1426 RS RS05575 WP 011001070.1 AMAAAFAYCLLAGMGVPAQRTLLMLATVAVARLADRSVPVSLSLCWAAALVALVDPWAVMSAGGWLSFGAVAVIFLAARI 400
NTDB id 325585 EGY18 RS04860 WP 016852665.1 GLLGAWSYGLMAGFEVPVRRACLMVSLALVWRLRFRHLGLLTPLLATLVLVLLVEPLASLQAGFWLSFLAVALLLWLFA. 345
NTDB id 1199 PSJM300 12650 AFN78592.1 AFAGALGYGWLAGFEVPVRRACLMVAIVLLWRLRFRHLGVWLPLLIALVGVLMVDPLASLQPGFWLSFVAVALLIWIFR. 344
consensus
logo
NTDB id 1426 RS RS05575 WP 011001070.1 VAADARDDVRRPAWPVRAWRGLRGAARVQLAVTFGLLPLTLLLFQQVSVVSAVANALAIPVVSFVTTPLALMGTAL.PEP 479
NTDB id 325585 EGY18 RS04860 WP 016852665.1 .....GRLGRWRW.....WAAWGRAQWGMALGLAMPLLALGLPLSLSGAPANLLAVPWIELLVVPPALAGSLLLWVP 412
NTDB id 1199 PSJM300 12650 AFN78592.1 .....GRLGVPSW.....WRALLYAQWAMALGLLPAMLVLGLPVSLSGPLANLLAVPWISVLVVPLALLGSFLLWVP 411
consensus

```
NTDB id 1426 RS RS05575 WP 011001070.1      WSQPVLIWAEASFAWLMPWLDALALPGGSVWVAPAAPAWAWGLAVVGVPLLLVPGGYRAWAWRAQGAVLLLPMLLARAPA  559
NTDB id 325585 EGY18 RS04860 WP 016852665.1 GLGEGLLRAAGVSLDLLFRALGLLAGLAEAWQPPAAAAWSVALGMLGALCWLAPAGLP...LRALGAALLLPALLPSSPP  489
NTDB id 1199 PSJM300 12650 AFN78592.1       WLGEALLWLAGGLLAVLFELLALTAGWQPAWLASALPLWAWSLVALGTLVLLLPAGVP...LRVLGTLLLAPLLFAPDSR  488
consensus                                   *****!*****  * *** ***!*** * *!***!***!***!***!  ***!*!*!**   *!**!**!!*!*!**  *
```

```
NTDB id 1426 RS RS05575 WP 011001070.1      PPPGEFRMVAFDIGQGAATLVETAGHRLLFDTGPRQGDLADAADRVIVPYLRGHGVQAIDTLVVSHEDSDHAGGTETVMA  639
NTDB id 325585 EGY18 RS04860 WP 016852665.1 VEWGRAEVRVLDVGQGLAVLVRTREHALLYDSGARQGAF.DMGERVVVPVLRSLDLRRLDGLLLSHADNDHAGGAPTVAS  568
NTDB id 1199 PSJM300 12650 AFN78592.1       PEQGRAEVWVFDVGQGLSVLVRTRDHALLYDAGPRYGDF.DIGERVVFPSLRQLGLERLDLMMLSHADSDHAGGALAIQR  567
consensus                                   **  !**** **!*!!!***!!*!**!*!!*!*!*!*!**  !***!!**!  !!  ***  **!  ***!!*!*!!!!!* **
```

```
NTDB id 1426 RS RS05575 WP 011001070.1      GVPVRTMLASLPPGHGLERQARALGIEPAGCVAGQRWAWDGVAFEILYPVQVPSDRAAVSSNARSCVLRLANARYAAMLA  719
NTDB id 325585 EGY18 RS04860 WP 016852665.1 RFPPVWLVSGEPAR.......LPSPLFADSCDE.RSWSWDGVVFEQWAWAQ......AGDSNDRSCVLRVEADGEVLLLT  634
NTDB id 1199 PSJM300 12650 AFN78592.1       AMPVGAVLSGEPER.......LPAALDARSCRTGQRWTWNQVNFSVWRWPQ......ATNGNQASCVLMVEAAGERLLLT  634
consensus                                   **!*  *****! *        ** **** *!  ***!*!**! !*** * !       !  *! *!!!!*******  **!*
```

```
NTDB id 1426 RS RS05575 WP 011001070.1      GDIGRAQEAALIAAEAPERLMADILLVPHHGSRTSSSGAFLDAVSAQVAVFQVGYRNRYGHPHPQVWQRYGARGIERLRT  799
NTDB id 325585 EGY18 RS04860 WP 016852665.1 GDISRAAEHAWLARQAD..PRVDWLLAPHHGSRSSSGVAFVLRTRPRHVLVSRGWRNAFGHPHGEVMERYARVAAQVHDT  712
NTDB id 1199 PSJM300 12650 AFN78592.1       GDIDAQAERALVDGGME..VNARWLLAPHHGSNSSSSAVFLAAVAADGALISRSSHNAFGHPHPAVLKRLQNAGAELHDT  712
consensus                                   !!!  ***! !**** **  * ***!!*!!!!!**!!***!* ** *  ********!**!!!!* !* !**  *******!
```

```
NTDB id 1426 RS RS05575 WP 011001070.1      DATGAVVIET..RGDALAVRTARSMRPRYWSSALEVAALAETTEPTGAQP   847
NTDB id 325585 EGY18 RS04860 WP 016852665.1 ARDGALTFLLGSRGGARR....ERDSAHFWREK.................   741
NTDB id 1199 PSJM300 12650 AFN78592.1       AEHGALSLQLGAFGGARR....MRDEPRFWREK.................   741
consensus                                   *  !!*** ** *!*!**     ** ***!***
```

X non conserved
X similar
X ≥ 50% conserved