

logo

|                                               |                                                                                                  |    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | MAEQQLVLLVDDDEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPGDGSGLDLVKHVSQNYPNTP                  | 80 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | .MNEPKSALVDDDERDIRELLVLTGLRGMGLRISTAAFLAEARELLANNPYDLCLTDMRLPDGNGTIELVTEIAKHYPQTPV               | 79 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSAARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV                | 78 |
| consensus                                     | *!!!!!!!! !***** *!!!!!!!!***** *! ** *!!!!!!!!***** *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! * * *!!!!!! |    |

logo

|                                               |                                                                                 |     |
|-----------------------------------------------|---------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | AVLTAYGNMDIAIAALKAGAFDFVSKPVQGVLRQVOTLRQVYERPTTPPPYNSRLLGSSPMRQRLNQSKYA         | 158 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | AMITAFGSMDLAVEALKAGAFDFVSKPVDIGVLRGLVKHAELENNRDRPAPPPPPPEQASRLLDSSAMEILRATISKVA | 159 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | AMITAYGSLDTAIQALKAGAFDFLTQKPVDLGRRLRELVTALRLRNPEAEAE...PVDNRLLGESPPMRALRNQIGKLA | 153 |
| consensus                                     | !!!!!!!!*!!*!!*!!!!!!!!!!!!!!!!!!!!***** !* !* !! *** *                         |     |

logo

|                                               |                                                                                                       |     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | RSQAPVYIVGESGIGKELVARLIHEQGRSEGPFVYVNCGAIPPELMESEFFGHKKGSFTGATQDKQGLFQAAHGGTLFL                       | 238 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFVYVNCGAIPAELMESEFFGHKKGSFTGAHADKPGFLFQAAHGGTLFL                     | 239 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVYVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAHGGTLFL                      | 233 |
| consensus                                     | !!!!!!!!*****!!!!*!!!!!!!!!!!!***** ! ****!!*****!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!*****!!!!!! |     |

logo

|                                               |                                                                                           |     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | DEVAELPLMQVKLLRAIQEKVRVPGSSQEVVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPLRERGEDY               | 318 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | DEVAELPLMQVKLLRAIQEKSVRPGVSGESLVDVRILSATHKDLGLVSDGRFRHDLYYRINVIELRVPPLRERGGDL             | 319 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | DEVADLPYAMQVKLLRAIQEKAVRAVGGQVEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI          | 313 |
| consensus                                     | !!!!!!!!*!!!!!!!!!!!!!!!!!!!!***** *!* *! *****!!!!!!* *! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! |     |

logo

|                                               |                                                                                  |     |
|-----------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | LLLANHFIQKICMEWETPPKQLTEAAETYLLQHFPGNVRELNRMIERATITLSEDATIDISHLHPAPLRAN.ISNPFASA | 397 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | PQLAAATIAARLAHSHGRPIPLLTQSALDALNHYGFPNVRELENILERALALAEDDQISATDLRLPAHGCHRLAAPPGA  | 399 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | PLLAERIILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE..... | 387 |
| consensus                                     | **!! ** *** * * ! ! ! * ! * * !!!!!!!!!!!!!!!!!!!!!!!*!! !!!!! *!!!!** * * * * * |     |

logo

|                                               |                                                                                 |     |
|-----------------------------------------------|---------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | AQSIQTTVAAAPQAVKKLPSECLERYLENIKEDILLNALNMTHWNRTLAACKLGMTFRSLRYRLKKFGLDTETETEDEV | 473 |
| NTDB id 1003147 ABHI21 RS07455 WP 003488597.1 | AAE...PREAVVDIDPASAAALPSYTEQLERAAITQKALEENRNWNTKTAAQLGITFRALRYKLKKLGME.....     | 464 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | .....GAASLS...EIDNLEDYLEDIERKLIMQALEETRWNRTAAARLGLTFRSMRYRLKKLGID.....          | 445 |
| consensus                                     | * ** * ****!!* !!!!!!!!!* ****!!*****!!!!!!*!! *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  |     |

 non conserved  
 similar  
 ≥ 50% conserved