

logo

|                                               |                                                                                    |    |
|-----------------------------------------------|------------------------------------------------------------------------------------|----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDNLNLPDGSGLDLVKHVSQNYPNPTPI | 80 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | .MNETKSALVDDDERDIRELLVLTGLRMGLRISTAAFLAEARELLASNPDYDLCLTDMRLPDGNGTIELVTEIARQYPQTPV | 79 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | ..MSRQKALIVDDEPDIRELLEITLGRMKLDRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    | 78 |
| consensus                                     | *!*!!!!!!*!!!!*!*!!!!!!*!!**!!*!!!!!!*!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*     |    |

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| NTDB id 1045 HON27 RS16330 WP 168727019.1     | AVLTAYGNMDIATAALKAGAFDFVSKPVDQVHLDDQLLQKALNRQKVHDT..TENALENKLTLGRSLPIQQLRIAIAKKTIA | 158 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHAELENNRDRPAPPPPPPEQASRLLDSTAMESLRSTIGKVA    | 159 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRRLRELVTALRLRNPEAEAEA....PVDNRLLGESPPMRALRNQIGKLA   | 153 |
| consensus                                     | !!!!!!*!!!!*!*!!!!!!!!!!*!!!!!!*!!*!!*!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!  |     |

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| NTDB id 1045 HON27 RS16330 WP 168727019.1     | RSQAPVYIVGESGIGKELVARLIHEQGRREGPFIPVNCGAIPTELMESEFFGHKKGSFTGATQDKQGLFQAAHGGTLFLL  | 238 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFIPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTLFLL | 239 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVNVCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAASGGTLFLL | 233 |
| consensus                                     | !!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!!!*!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!  |     |

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|-----------------------------------------------|-------------------------------------------------------------------------------------|-----|
| NTDB id 1045 HON27 RS16330 WP 168727019.1     | DEVAELPLMQVKLLRAIQEKVRVPGSSQVYVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPLRERREDY         | 318 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | DEVAELPLMQVKLLRAIQEKSVRPGASSETLVDVRILSATHKDLGLVSDGRFRHDLYYRINVIELRVPPLRERSGDL       | 319 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | DEVADLPYAMQVKLLRAIQEKAVRAVGGQVEAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI     | 313 |
| consensus                                     | !!!!!!*!!!!*!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!! |     |

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| NTDB id 1045 HON27 RS16330 WP 168727019.1     | LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELNMTERAITLSEDATIDISHLHPAPLRANISNPFASAA     | 398 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | PQLAAATIAIARLARSHGRPIPLLTQSALDALNQYGFPGNVRELENILERALALAEDDQISATDLRLPAHGHRHRL...AASP | 396 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | PLLAERIILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ...EGAA   | 390 |
| consensus                                     | **!!**!!**!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!      |     |

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| NTDB id 1045 HON27 RS16330 WP 168727019.1     | QSIQTTVAAPQAV..KKLPSECLERYLENIEKDILLNALNMTHWNRTLAACKLGMTFRSLRYRLKKFGLDTETETEVEV | 473 |
| NTDB id 1039748 ACCQ01 RS16915 WP 228431844.1 | G..TAAVEPREAVVDIDPASSALPSYTEQLERAATQKALEENRWNNKTKTAAQLGITFRALRYLKKKLGME.....    | 464 |
| NTDB id 1473 PAKAF RS24000 WP 003094694.1     | S.....L.....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAARLGLTFRSMRYRLKKLGLD.....           | 445 |
| consensus                                     | *!!**!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!   |     |

- non conserved
- similar
- ≥ 50% conserved