

logo

|                                            |                                                                                         |    |
|--------------------------------------------|-----------------------------------------------------------------------------------------|----|
| NTDB id 601 KW2 RS02615 WP 021036805.1     | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 378 SMU RS02690 WP 002263569.1     | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 241 SP RS04015 WP 000882523.1      | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 281 KZH43 RS03550 WP 000882517.1   | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 245 SPD RS03860 WP 000882517.1     | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 243 SPR RS03635 WP 000882517.1     | .....MLCQNCNINEAT.....I                                                                 | 13 |
| NTDB id 221605 BLMD RS00600 WP 020449838.1 | ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLSPDKIQKEVESLIGR.....GQEMS      | 75 |
| NTDB id 85 BSU 00860 NP 387967.1           | ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGR.....GQEMS      | 75 |
| NTDB id 610 V4T04 RS10165 WP 012897346.1   | MKFENIKYPTLDRILEKAEYAHQYQYGTIESAHLILAAMATTSGSIAYSLLAGMNVDSDDLIDL.....EDLSSHVKVKR        | 77 |
| NTDB id 290 KZH43 RS10025 WP 001109677.1   | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET   | 75 |
| NTDB id 289 SPD RS10700 WP 001109677.1     | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET   | 75 |
| NTDB id 287 SP RS11210 WP 001109712.1      | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET   | 75 |
| NTDB id 377 SMU RS09275 WP 002262344.1     | ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADRVRFEDYQAAAAILAIGKKPKSSSN..DIT | 79 |
| NTDB id 297 STER RS00545 WP 011680614.1    | ....MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFDTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII  | 81 |
| NTDB id 329 STU RS10020 WP 011225298.1     | ....MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFDTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII  | 81 |
| consensus                                  | *** * *                                                                                 | *  |

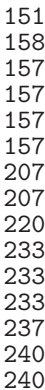
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| NTDB id 241 SP RS04015 WP 000882523.1      | HLYTNLNGKQKQIDLCQNCYK...IIKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TPP            | 77          |
| NTDB id 281 KZH43 RS03550 WP 000882517.1   | HLYTNLNGKQKQIDLCQNCYK...IIKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TPP            | 77          |
| NTDB id 245 SPD RS03860 WP 000882517.1     | HLYTNLNGKQKQIDLCQNCYK...IIKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TPP            | 77          |
| NTDB id 243 SPR RS03635 WP 000882517.1     | HLYTNLNGKQKQIDLCQNCYK...IIKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TPP            | 77          |
| NTDB id 221605 BLMD RS00600 WP 020449838.1 | QSIHYTPRAKKVTELAMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKAQQVLQL.....                  | 141         |
| NTDB id 85 BSU 00860 NP 387967.1           | QTIHYTPRAKKVTELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKAQQVLQL.....                  | 141         |
| NTDB id 610 V4T04 RS10165 WP 012897346.1   | STLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.....QKINIVSLRKELEKRTGLKVPESKK       | 153         |
| NTDB id 290 KZH43 RS10025 WP 001109677.1   | TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA   | 160         |
| NTDB id 289 SPD RS10700 WP 001109677.1     | TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA   | 160         |
| NTDB id 287 SP RS11210 WP 001109712.1      | TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA   | 160         |
| NTDB id 377 SMU RS09275 WP 002262344.1     | MLLEQSHALKRTLAEEAAISQVTHAKEVGTTEHVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVTIERYAGFSKEDIKA | 164         |
| NTDB id 297 STER RS00545 WP 011680614.1    | DLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMFAFLHKLDMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA   | 166         |
| NTDB id 329 STU RS10020 WP 011225298.1     | DLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMFAFLHKLDMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA   | 166         |
| consensus                                  | * * * * *                                                                               | ***** * * * |

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consensus

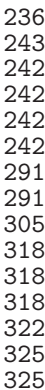
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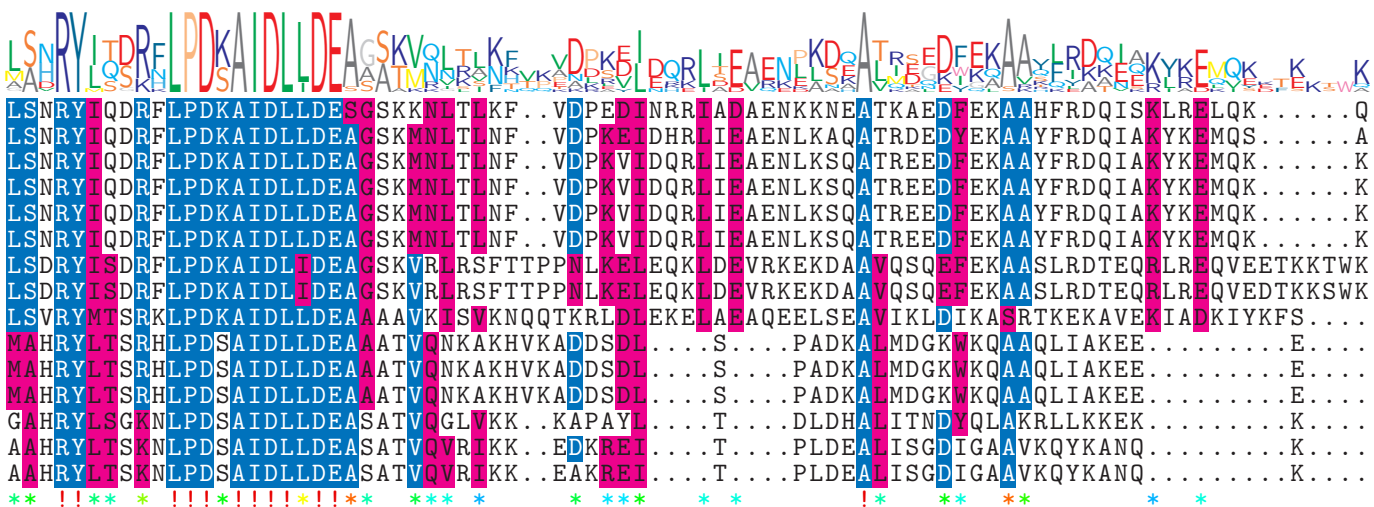
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consensus



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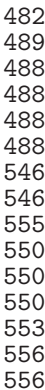
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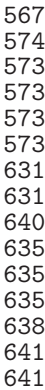
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NTDB id 377 SMU RS09275 WP 002262344.1
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consensus

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|--------------------------------------------|----------------------|-----|
| NTDB id 601 KW2 RS02615 WP 021036805.1     | ISNQTQETAETTDDEEVPAE | 748 |
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| NTDB id 241 SP RS04015 WP 000882523.1      | QIKSAKK.AEVKSSEKEK.  | 752 |
| NTDB id 281 KZH43 RS03550 WP 000882517.1   | QIKSAKK.AEVKSSEKEK.  | 752 |
| NTDB id 245 SPD RS03860 WP 000882517.1     | QIKSAKK.AEVKSSEKEK.  | 752 |
| NTDB id 243 SPR RS03635 WP 000882517.1     | QIKSAKK.AEVKSSEKEK.  | 752 |
| NTDB id 221605 BLMD RS00600 WP 020449838.1 | VVKTEAKTN.....       | 810 |
| NTDB id 85 BSU 00860 NP 387967.1           | VVKTTAKTN.....       | 810 |
| NTDB id 610 V4T04 RS10165 WP 012897346.1   | KIAQIV.....          | 816 |
| NTDB id 290 KZH43 RS10025 WP 001109677.1   | KFDIA.....           | 810 |
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| NTDB id 297 STER RS00545 WP 011680614.1    | TFTVV.....           | 816 |
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| consensus                                  |                      |     |



-  non conserved
-  similar
-  ≥ 50% conserved