

|           |        |         |         |    |             |          |                               |                                              |                         |    |
|-----------|--------|---------|---------|----|-------------|----------|-------------------------------|----------------------------------------------|-------------------------|----|
| NTDB id   | 32     | MW      | RS07995 | WP | 000472256.1 | .....    | MFKFL..KKTQAFTLIEMLLVLLIIS    | LLLLILIIPNIAKQTAHIQSTG                       | CNAQVKMVNSQIEAYALKHNRNP | 68 |
| NTDB id   | 16     | SA      | RS07765 | WP | 000472256.1 | .....    | MFKFL..KKTQAFTLIEMLLVLLIIS    | LLLLILIIPNIAKQTAHIQSTG                       | CNAQVKMVNSQIEAYALKHNRNP | 68 |
| NTDB id   | 588    | KW2     | RS10845 | WP | 051303741.1 | MSKALSLV | KIHGRKLCKKKQAFTLIEMLIIVLAIIIS | ILILLFVPNLIKEKAQVKQTGEAAVVKVVSQAQLYELDHDNDK  |                         | 80 |
| NTDB id   | 460    | GPW51   | RS00790 | WP | 011921720.1 | .....    | MKKLVEMKVKCFTLVEMLVLVGIIIS    | LLLLLFVPNLSQQKDAIQKKGDAAVVKVVSQMELYELEHDEE   |                         | 68 |
| NTDB id   | 502    | SM12261 | RS00955 | WP | 000738641.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLLLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 272    | KZH43   | RS09255 | WP | 000738626.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLFLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 231    | SPD     | RS09885 | WP | 000738626.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLFLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 197    | SPR     | RS09420 | WP | 000738626.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLFLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 162    | SP      | RS10370 | WP | 000738627.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLFLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 530    | SMSK321 | RS09230 | WP | 000738643.1 | .....    | MKKMMTFLKKAKVKAFTLVEMLVLLIIS  | VLLLLFVPNLTKQKEAVNDKGKAAAVKVVSQAELYSLDKNEED  |                         | 72 |
| NTDB id   | 431    | SGO     | RS09410 | WP | 012130940.1 | .....    | MNKLKLRVKAFTLVEMLVLLIIS       | VLMLLFVPNLTKQKEAVSDTGNAAVKVVSQAELYELKNITGDQ  |                         | 69 |
| NTDB id   | 155632 | AMD33   | RS07845 | WP | 014727724.1 | .....    | MKLMKKLNNAVKLRAFTLIEMLVLLIIS  | ILLLLFPVNLSSQKQDSVKETGNAAVVKVVDQAELYEMKNNTKT |                         | 72 |
| NTDB id   | 396    | FSA28   | RS09395 | WP | 002263437.1 | .....    | MKKIKRVSVRAFTLIEMLVLLIIS      | ILLLLFPVNLTKQKDKVKDTGGSAVVKVVSQAELYELNKTDS   |                         | 68 |
| NTDB id   | 387    | SMU     | RS09025 | WP | 002263437.1 | .....    | MKKIKRVSVRAFTLIEMLVLLIIS      | ILLLLFPVNLTKQKDKVKDTGGSAVVKVVSQAELYELNKTDS   |                         | 68 |
| consensus |        |         |         |    |             |          | ** * *                        | * ** *                                       | * ** *                  | *  |

|           |                                     |                                                               |     |
|-----------|-------------------------------------|---------------------------------------------------------------|-----|
| NTDB id   | 32 MW RS07995 WP 000472256.1        | SSI <del>E</del> DLIADGFIKEAQKTKSGETIT <del>I</del> .SNGEAVAN | 103 |
| NTDB id   | 16 SA RS07765 WP 000472256.1        | SSI <del>E</del> DLIADGFIKEAQKTKSGETIT <del>I</del> .SNGEAVAN | 103 |
| NTDB id   | 588 KW2 RS10845 WP 051303741.1      | PNLSELLSACMITQKQVTA <del>YDDYDQ</del> NKNEQRNFDD              | 116 |
| NTDB id   | 460 GPW51 RS00790 WP 011921720.1    | ATVADLQAKGYITEKQAKQYATAKK.....                                | 93  |
| NTDB id   | 502 SM12261 RS00955 WP 000738641.1  | ASLSKLQADGRITEEQAKAYKEYHYAKNNTSQTVAD.                         | 107 |
| NTDB id   | 272 KZH43 RS09255 WP 000738626.1    | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN <del>D</del>              | 108 |
| NTDB id   | 231 SPD RS09885 WP 000738626.1      | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN <del>D</del>              | 108 |
| NTDB id   | 197 SPR RS09420 WP 000738626.1      | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN <del>D</del>              | 108 |
| NTDB id   | 162 SP RS10370 WP 000738627.1       | ASLRKLQADGRITEEQAKAYKEYNDKNGGANRKVN <del>D</del>              | 108 |
| NTDB id   | 530 SMSK321 RS09230 WP 000738643.1  | ASLSKLQADGRITEEQAKAYNEYAKNGGANRKVN <del>D</del>               | 108 |
| NTDB id   | 431 SGO RS09410 WP 012130940.1      | ATLSKLVAAGNISQKQADSYPKAYYGKNNSETQAVAN                         | 105 |
| NTDB id   | 155632 AMD33 RS07845 WP 014727724.1 | ASLEALVL <del>E</del> GQITQKQADSINDYYAKHGGSRSVAN              | 108 |
| NTDB id   | 396 FSA28 RS09395 WP 002263437.1    | ATLSKLVASGDITQEANSYKDYYAKHPSKTRHVAN                           | 104 |
| NTDB id   | 387 SMU RS09025 WP 002263437.1      | ATLSKLVASGITQEANSYKYDYAKHPSKTRHVAN                            | 104 |
| consensus |                                     | *** * ! ** ! ! **** ! ***** ** *                              |     |

- X non conserved
- X similar
- X > 50% conserved