

|                                              |           |                                           |               |             |                 |    |
|----------------------------------------------|-----------|-------------------------------------------|---------------|-------------|-----------------|----|
| NTDB id 602 KW2 RS03060 WP 011834647.1       | .....MGYL | VPTVIEQSSRGERAYDIYSRLKDRIMLTGPVEDGMANS    | IIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 75 |
| NTDB id 611 V4T04 RS07970 WP 003129593.1     | .....MGYL | VPTVIEQSSRGERAYDIYSRLKDRIMLTGPVEDGMANS    | IIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 75 |
| NTDB id 330 STU RS11365 WP 002949732.1       | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPTIEDNMANS | IIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 298 STER RS01925 WP 002949732.1      | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPTIEDNMANS | IIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 282 KZH43 RS03215 WP 000613477.1     | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDS  | STKDIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 246 SPD RS03495 WP 000613477.1       | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDS  | STKDIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 244 SPR RS03300 WP 000613477.1       | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDS  | STKDIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 242 SP RS03655 WP 000613477.1        | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDS  | STKDIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1 | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 445 SPYM3 RS01720 WP 002985850.1     | .....     | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | VIAQLFLDAQDN  | TKDIIYLYVNT | PGGSVSAG        | 72 |
| NTDB id 376 SMU RS07595 WP 255262720.1       | MELKEKYS  | MIPVVIEQTSRGRERSYDIYSRLKDRIMLTGPVEDNMANS  | IIAQLFLDAQDN  | TKDIIYLY    | INSPGGSVSAG     | 80 |
| NTDB id 1223 Cj0192c YP 002343650.1          | .....MFIP | YVIEKSSRGRERSYDIYSRLKDRIMLTGSETHDELAAS    | IVAQLFLFEAED  | PTKDIYLY    | INSPGGVITSG     | 73 |
| NTDB id 135632 FORC10 RS05315 WP 000991610.1 | .....MNA  | IPYVVEQTKLGRERSYDIYSRLKDRIMLTGSEINDQVASS  | VVAQLFLFEAED  | AEKDI       | FLYINSPGGSTITAG | 74 |
| NTDB id 86 BSU 34540 NP 391334.1             | .....MNL  | IPTVIEQTNRGERAYDIYSRLKDRIMLTGSAIDDNVANS   | IVSQQLLFLAAED | PEKEISLY    | INSPGGSTITAG    | 74 |
| consensus                                    |           | *****                                     |               |             |                 |    |

[illegible][illegible]

 non conserved  
 similar  
  $\geq 50\%$  conserved