

|                                          |                                                                                           |    |
|------------------------------------------|-------------------------------------------------------------------------------------------|----|
| NTDB id 20089 SSU05 1094 ABP90060.1      | MPKRIKGLVYTDKFSSFIRYFAVFTLLIFGLMTAIIQFLMFSTMYQNSDNTLKRIKEEPAMAVGFATARTYEPNVSFILQDSPTSE    | 85 |
| NTDB id 363 SMU RS05195 WP 002262215.1   | MLIKLRKQKQDENISFFSHFFAVFTGIFVMTVIIIQVMHFGIYSSVDNLSKIATENVNDYVNMTLSHNN.PITEAENG.....       | 79 |
| NTDB id 259 KZH43 RS03480 WP 000491790.1 | MFSKLKKTWYADDFSYPFIRNFVGVTLLIFSTMTLIIQLQMHSPLYTSVDDKLHGENSENPQAIVQLAINRATEEIKDLLENAR..... | 80 |
| NTDB id 218 SPD RS03780 WP 000491790.1   | MFSKLKKTWYADDFSYPFIRNFVGVTLLIFSTMTLIIQLQMHSPLYTSVDDKLHGENSENPQAIVQLAINRATEEIKDLLENAR..... | 80 |
| NTDB id 184 SPR RS03565 WP 000491790.1   | MFSKLKKTWYADDFSYPFIRNFVGVTLLIFSTMTLIIQLQMHSPLYTSVDDKLHGENSENPQAIVQLAINRATEEIKDLLENAR..... | 80 |
| NTDB id 148 SP RS03910 WP 000491790.1    | MFSKLKKTWYADDFSYPFIRNFVGVTLLIFSTMTLIIQLQMHSPLYTSVDDKLHGENSENPQAIVQLAINRATEEIKDLLENAR..... | 80 |
| consensus                                | !*****!*****!*!****!*!*!*****!*****!*****!*****!*****!*****!*****!*****!                  |    |

|                                          |        |        |       |        |        |      |       |       |      |        |        |       |         |       |       |      |      |     |       |       |       |      |      |       |       |     |     |   |
|------------------------------------------|--------|--------|-------|--------|--------|------|-------|-------|------|--------|--------|-------|---------|-------|-------|------|------|-----|-------|-------|-------|------|------|-------|-------|-----|-----|---|
| NTDB id 20089 SSU05 1094 ABP90060.1      | ETTSSS | SDSMPV | PKEQK | NTRDGD | QLRLGV | NTHV | LYSKS | .GEMV | NPDT | FTGLAN | PLDKEK | LGEIK | ETTVESS | FGMS  | EDYRY | ITI  | 169  |     |       |       |       |      |      |       |       |     |     |   |
| NTDB id 363 SMU RS05195 WP 002262215.1   | .....  | ASF    | KV    | .....  | KSN    | GMAA | NTD   | TILY  | DK   | KHNV   | INN    | VA    | FSS     | LYH   | IRPK  | LDIG | DIVE | QEA | KNI   | YGQT  | EKYRT | TV   | 148  |       |       |     |     |   |
| NTDB id 259 KZH43 RS03480 WP 000491790.1 | .....  | AD     | ASKV  | .....  | EIK    | PNV  | SSN   | TEV   | IL   | FDK    | DF     | TQL   | LSG     | NR    | FLGLD | KIK  | LEK  | KEL | GHI   | YQ    | IV    | FNSY | GQEE | IYRV  | ILM   | 150 |     |   |
| NTDB id 218 SPD RS03780 WP 000491790.1   | .....  | AD     | ASKV  | .....  | EIK    | PNV  | SSN   | TEV   | IL   | FDK    | DF     | TQL   | LSG     | NR    | FLGLD | KIK  | LEK  | KEL | GHI   | YQ    | IV    | FNSY | GQEE | IYRV  | ILM   | 150 |     |   |
| NTDB id 184 SPR RS03565 WP 000491790.1   | .....  | AD     | ASKV  | .....  | EIK    | PNV  | SSN   | TEV   | IL   | FDK    | DF     | TQL   | LSG     | NR    | FLGLD | KIK  | LEK  | KEL | GHI   | YQ    | IV    | FNSY | GQEE | IYRV  | ILM   | 150 |     |   |
| NTDB id 148 SP RS03910 WP 000491790.1    | .....  | AD     | ASKV  | .....  | EIK    | PNV  | SSN   | TEV   | IL   | FDK    | DF     | TQL   | LSG     | NR    | FLGLD | KIK  | LEK  | KEL | GHI   | YQ    | IV    | FNSY | GQEE | IYRV  | ILM   | 150 |     |   |
| consensus                                |        | *****  | !     |        | *****  | !!   | ***   | !     | ***  | *****  | !!     | ***   | !       | ***** | ***** | !!   | ***  | !   | ***** | ***** | !!    | ***  | !    | ***** | ***** | !!  | *** | ! |

[illegible][illegible][illegible]

logo

NTDB id 20089 SSU05 1094 ABP90060.1  
NTDB id 363 SMU RS05195 WP 002262215.1  
NTDB id 259 KZH43 RS03480 WP 000491790.1  
NTDB id 218 SPD RS03780 WP 000491790.1  
NTDB id 184 SPR RS03565 WP 000491790.1  
NTDB id 148 SP RS03910 WP 000491790.1  
consensus



459  
435  
444  
444  
444  
444

- X non conserved
- X similar
- X ≥ 50% conserved