

logo

|                                            |             |       |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
|--------------------------------------------|-------------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| NTDB id 98 BSU 24710 NP 390351.1           | .....MNEKGF | TLVEM | LIVL | FII   | SILL | ITIP | NVT  | TKHN | QTI  | QKKG | CEGL | QNM  | VKA  | QMTA | FELD | HEG  | QTP  | SLAD | 68 |
| NTDB id 619 LCA RS06470 WP 011374999.1     | .....M      | KKRK  | KAFT | L     | EMV  | VVLA | II   | ALL  | L    | LVAP | N    | LGA  | QKQ  | RAEK | KT   | DQAL | V    | TTL  | 70 |
| NTDB id 32 MW RS07995 WP 000472256.1       | .....M      | FKFL  | ..   | KKT   | QAF  | TL   | IE   | ML   | V    | LLI  | I    | S    | L    | L    | L    | L    | I    | I    | 73 |
| NTDB id 16 SA RS07765 WP 000472256.1       | .....M      | FKFL  | ..   | KKT   | QAF  | TL   | IE   | ML   | V    | LLI  | I    | S    | L    | L    | L    | L    | I    | I    | 73 |
| NTDB id 588 KW2 RS10845 WP 051303741.1     | MSKALS      | LVKIH | GRK  | L     | CQK  | QKQ  | KAFT | L    | IE   | ML   | V    | LA   | I    | I    | S    | I    | L    | L    | 85 |
| NTDB id 49820 SSUA7 RS00795 WP 011921720.1 | .....M      | KKL   | VEM  | KV    | K    | G    | F    | T    | L    | V    | E    | M    | L    | V    | L    | G    | I    | I    | 73 |
| NTDB id 460 GPW51 RS00790 WP 011921720.1   | .....M      | KKL   | VEM  | KV    | K    | G    | F    | T    | L    | V    | E    | M    | L    | V    | L    | G    | I    | I    | 73 |
| NTDB id 502 SM12261 RS00955 WP 000738641.1 | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 162 SP RS10370 WP 000738627.1      | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 272 KZH43 RS09255 WP 000738626.1   | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 231 SPD RS09885 WP 000738626.1     | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 197 SPR RS09420 WP 000738626.1     | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 530 SMSK321 RS09230 WP 000738643.1 | .....M      | KKM   | MT   | F     | L    | K    | K    | A    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | 77 |
| NTDB id 431 SGO RS09410 WP 012130940.1     | .....M      | NK    | L    | K     | L    | R    | V    | K    | A    | F    | T    | L    | V    | E    | M    | L    | V    | L    | 74 |
| NTDB id 396 FSA28 RS09395 WP 002263437.1   | .....M      | KK    | I    | K     | R    | V    | S    | V    | R    | A    | F    | T    | L    | I    | E    | M    | L    | V    | 73 |
| NTDB id 387 SMU RS09025 WP 002263437.1     | .....M      | KK    | I    | K     | R    | V    | S    | V    | R    | A    | F    | T    | L    | I    | E    | M    | L    | V    | 73 |
| consensus                                  |             | *     | ***  | ***** | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! | !!!! |    |

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|                                            |        |       |       |      |     |   |   |   |   |    |    |   |   |     |     |
|--------------------------------------------|--------|-------|-------|------|-----|---|---|---|---|----|----|---|---|-----|-----|
| NTDB id 98 BSU 24710 NP 390351.1           | LQSEGY | VKK   | DAV   | .CP  | NGK | R | I | I | I | TG | GE | V | K | VEH | 98  |
| NTDB id 619 LCA RS06470 WP 011374999.1     | L.TDKY | I     | S     | K    | D   | Q | L | K | H | A  | K  | E | K | G   | 99  |
| NTDB id 32 MW RS07995 WP 000472256.1       | LIADG  | F     | I     | K    | E   | A | Q | K | T | C  | K  | S | G | E   | 103 |
| NTDB id 16 SA RS07765 WP 000472256.1       | LIADG  | F     | I     | K    | E   | A | Q | K | T | C  | K  | S | G | E   | 103 |
| NTDB id 588 KW2 RS10845 WP 051303741.1     | LLSAG  | M     | I     | T    | Q   | K | Q | V | T | A  | Y  | D | D | Y   | 116 |
| NTDB id 49820 SSUA7 RS00795 WP 011921720.1 | LQAKG  | Y     | I     | T    | E   | K | Q | A | K | Q  | Y  | A | T | A   | 93  |
| NTDB id 460 GPW51 RS00790 WP 011921720.1   | LQAKG  | Y     | I     | T    | E   | K | Q | A | K | Q  | Y  | A | T | A   | 93  |
| NTDB id 502 SM12261 RS00955 WP 000738641.1 | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | K | E | Y   | 107 |
| NTDB id 162 SP RS10370 WP 000738627.1      | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | K | E | Y   | 108 |
| NTDB id 272 KZH43 RS09255 WP 000738626.1   | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | K | E | Y   | 108 |
| NTDB id 231 SPD RS09885 WP 000738626.1     | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | K | E | Y   | 108 |
| NTDB id 197 SPR RS09420 WP 000738626.1     | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | K | E | Y   | 108 |
| NTDB id 530 SMSK321 RS09230 WP 000738643.1 | LQADG  | R     | I     | T    | E   | E | Q | A | K | A  | Y  | N | E | Y   | 108 |
| NTDB id 431 SGO RS09410 WP 012130940.1     | LVAAG  | N     | I     | S    | Q   | K | Q | A | D | S  | Y  | K | A | Y   | 105 |
| NTDB id 396 FSA28 RS09395 WP 002263437.1   | LVASG  | D     | I     | T    | Q   | E | Q | A | N | S  | Y  | K | D | Y   | 104 |
| NTDB id 387 SMU RS09025 WP 002263437.1     | LVASG  | D     | I     | T    | Q   | E | Q | A | N | S  | Y  | K | D | Y   | 104 |
| consensus                                  | !****  | ***** | ***** | **** | *   |   |   |   |   | *  |    |   |   | *   |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved