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|                |           |         |             |   |   |     |
|----------------|-----------|---------|-------------|---|---|-----|
| NTDB id 600    | KW2       | RS01765 | WP          | 011675413.1   | I I K K S G A W F A Y N D E K I G Q G A E K A K N Y L K E H Q D V F D E I D H K V R A A H G L L D D S E V A E T E E E T T A S K T K A K A K K E E K A V E T E E   | 380 |
| NTDB id 269    | KZH43     | RS08665 | WP          | 001085462.1   | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A E H P E I F D E I D K Q V R S K F G L I D G E E V S E Q D T E N K K D E . . . . P K K E E A . . V N E E   | 373 |
| NTDB id 228    | SPD       | RS09265 | WP          | 001085462.1   | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A E H P E I F D E I D K Q V R S K F G L I D G E E V S E Q D T E N K K D E . . . . P K K E E A . . V N E E   | 373 |
| NTDB id 194    | SPR       | RS08825 | WP          | 001085462.1   | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A E H P E I F D E I D K Q V R S K F G L I D G E E V S E Q D T E N K K D E . . . . P K K E E A . . V N E E   | 373 |
| NTDB id 159    | SP        | RS09750 | WP          | 001085462.1   | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A E H P E I F D E I D K Q V R S K F G L I D G E E V S E Q D T E N K K D E . . . . P K K E E A . . V N E E   | 373 |
| NTDB id 527    | SMSK321   | RS11065 | WP          | 001085454.1   | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A D N P E V F A E I D H Q V R V Q F G L I D G E E A A E . . . . S K K D E . . . . V A Q V D S . . V N E E   | 369 |
| NTDB id 499    | SM12261   | RS08315 | WP          | 0028228268.1  | I I K K A G A W Y S Y K D E K I G Q G S E N A K K Y L A D N P E I F D E I D H Q V R V Q F G L I D G E E I A E . . . . S K K D E . . . . A A Q V D S . . V N E E   | 369 |
| NTDB id 408    | SMU       | RS09530 | WP          | 002262392.1   | I I Q K A G A W Y S Y N G E K I G Q G S E N A K K F L A D N P E I F D D I D H K V R V Q Y G L I E E D N T E E K Q S S K E K . . . . . E T D E K . . . A D K N     | 370 |
| NTDB id 453    | Spy49     | 1753c   | ACI62003.1  | I I Q K A G A W F S Y N G E K I G Q G S E N A K R Y L A D H P Q L F D E I D R K V R V K F G L L E E S E E S A M A V A S E . . . . . E . . . . . T D D | 365   |     |
| NTDB id 115    | BSU       | 16940   | NP          | 389576.2  | I V Q K S G S W S Y S E E E R L G Q G R E N A K Q F L K E N K D I M L M I Q E Q I R E H Y G L D N N G V V Q Q A E E T Q E E L . E F E . E . . . . .               | 348 |
| NTDB id 625    | LCA       | RS02525 | WP          | 011374196.1   | I I N K S G S W S Y S G S E R I G Q G R E N A K N Y L A D H E D V E D E V R L K V R A A Y G I S D V P E E D L P T T E D E . Q I . N I L P D D S T . . . . . E E   | 355 |
| NTDB id 1313   | DR        | RS12030 | WP          | 010888966.1   | I I K K A G S F Y S Y G D E R I G Q G K E K T I A Y T A E R P E M E Q E I R D R V M A A I R A G N A G E . . . . . A P . A L A . . P A P A A P E A A E             | 362 |
| NTDB id 241967 | CJD48     | RS03940 | WP          | 115954895.1   | V V K K S G S W F T Y D G D Q L G Q G R E N V R K F L K D N P Q I T E I E I G N K V K A E F G L I E V P D Q L A D G E S A T D G D . A P E T A P E D G A P T A A A | 392 |
| NTDB id 1245   | Cj1673c   | YP      | 002345041.1 | I V D K S G A W F S Y K D K K L G Q G R E N S K A F L K E N P E I A D E I T K A I Q N S M G I E G M I S G S E D D . . E G E E . . . . .               | 343   |     |
| NTDB id 1211   | C694      | RS00795 | WP          | 000963128.1   | I V D K S G A W L S Y Q D K K L G Q G R E N A K A L L K E D K A L A D E I T L K I K E S I G S N E E I M P L P D E . . P L E E M . E . . . . .                     | 347 |
| NTDB id 1214   | NCTC11637 | 00359   | SQJ03206.1  | I V D K S G A W L S Y Q D K K L G Q G R E N A K A L L K E D K A L A D E I T L K I K E S I G S N E E I M P L P D E . . P L E E M . E . . . . .         | 347   |     |
| NTDB id 1334   | RAOC      | RS04870 | WP          | 004918236.1   | I I Q K S G S W F S Y Q D T K L G Q G R D T V K E L I K D N P E L A E E L E A K I R E K L Q A K . . . . .   | 343 |
| NTDB id 1389   | A4U84     | RS07560 | WP          | 021112712.1   | F I K K S G A W F S Y D G T K I G Q G K N N A V K W L K E N P E I A D K L E Q E I R N T L A S N P N S V L K A T A S D S N D E S . D V E E F S E E L . . . . .     | 372 |
| NTDB id 1130   | NGFG      | RS03960 | WP          | 003688695.1   | I I N K S G A W S Y N G A K I G Q G K D N V R V W L K E N P E I S D E I D A K I R A L N G V E M H I T E G T Q D E T D G E R . . . . . P E E . . . . .             | 348 |
| NTDB id 1124   | NGFG      | RS03960 | WP          | 003688695.1   | I I N K S G A W S Y N G A K I G Q G K D N V R V W L K E N P E I S D E I D A K I R A L N G V E M H I T E G T Q D E T D G E R . . . . . P E E . . . . .             | 348 |
| NTDB id 1123   | OK783     | RS03845 | WP          | 003688695.1   | I I N K S G A W S Y N G A K I G Q G K D N V R V W L K E N P E I S D E I D A K I R A L N G V E M H I T E G T Q D E T D G E R . . . . . P E E . . . . .             | 348 |
| NTDB id 1427   | RS        | RS02760 | WP          | 011000510.1   | V V E K S G A W S Y N G E R I G Q G R D N C R E F L R E N A E L A R E I E N K V R E H L G V T P M G A V T L A . E E V E E D . . . . .                             | 352 |
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| NTDB id 1142   | GTF74     | RS11550 | WP          | 000344154.1   | M V E K S G A W S Y N G D K I G Q G K A N A C K Y L K E N P E I A K T L D K K L R E M L L N P E N M Q L I A E T S S A A D D V . E F G A V P E E F . . . . .       | 354 |
| NTDB id 1022   | ACIAD     | RS06390 | WP          | 004925639.1   | I V Q K A G A W S Y Q G N K I G Q G K N N V I R Y L E E N P Q I S T E I E A V I R E Q L L T K A S D Q T A A . H D E T E E E P . D L L . . E S . . . . .           | 349 |
| NTDB id 1074   | ABD1      | RS10195 | WP          | 000344167.1   | I V Q K A G A W S Y Q G N K I G Q G K N N V I R Y F E E N N Q I A E E I E R N I R E Q L L T T G T N G A V Q . I . E D E E E P . D L L . . L E S . . . . .         | 349 |
| NTDB id 1205   | PSJM300   | 05545   | AFN77183.1  | L V E K S G A W Y A Y K G S K I G Q G K A N A A K Y L E E N P E I G Q E I E Q Q I R A K L L V T S A N T K A T P V A E D L A D A . D I . . . . .       | 347   |     |
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|   | <b>X</b> <b>L</b> <b>D</b> <b>L</b> <b>G</b> <b>D</b> <b>E</b> <b>L</b> <b>E</b> <b>I</b> <b>E</b> <b>E</b> |     |
|---|---|-----|
| NTDB id 600 KW2 RS01765 WP 011675413.1      | I E L E L E D . . . . .   | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1    | V P L D L G D E L E I E I E E   | 388 |
| NTDB id 228 SPD RS09265 WP 001085462.1      | V P L D L G D E L E I E I E E   | 388 |
| NTDB id 194 SPR RS08825 WP 001085462.1      | V P L D L G D E L E I E I E E   | 388 |
| NTDB id 159 SP RS09750 WP 001085462.1       | V P L D L G D E L E I E I E E   | 388 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1  | V T L D L G D E L E I E I E E   | 384 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1  | V T L D L G D E L E I E I E E   | 384 |
| NTDB id 408 SMU RS09530 WP 002262392.1      | L V L E L D D T I E L E D . .   | 383 |
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| NTDB id 1205 PSJM300 05545 AFN77183.1       | . . . . .   | 347 |

consensus

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