

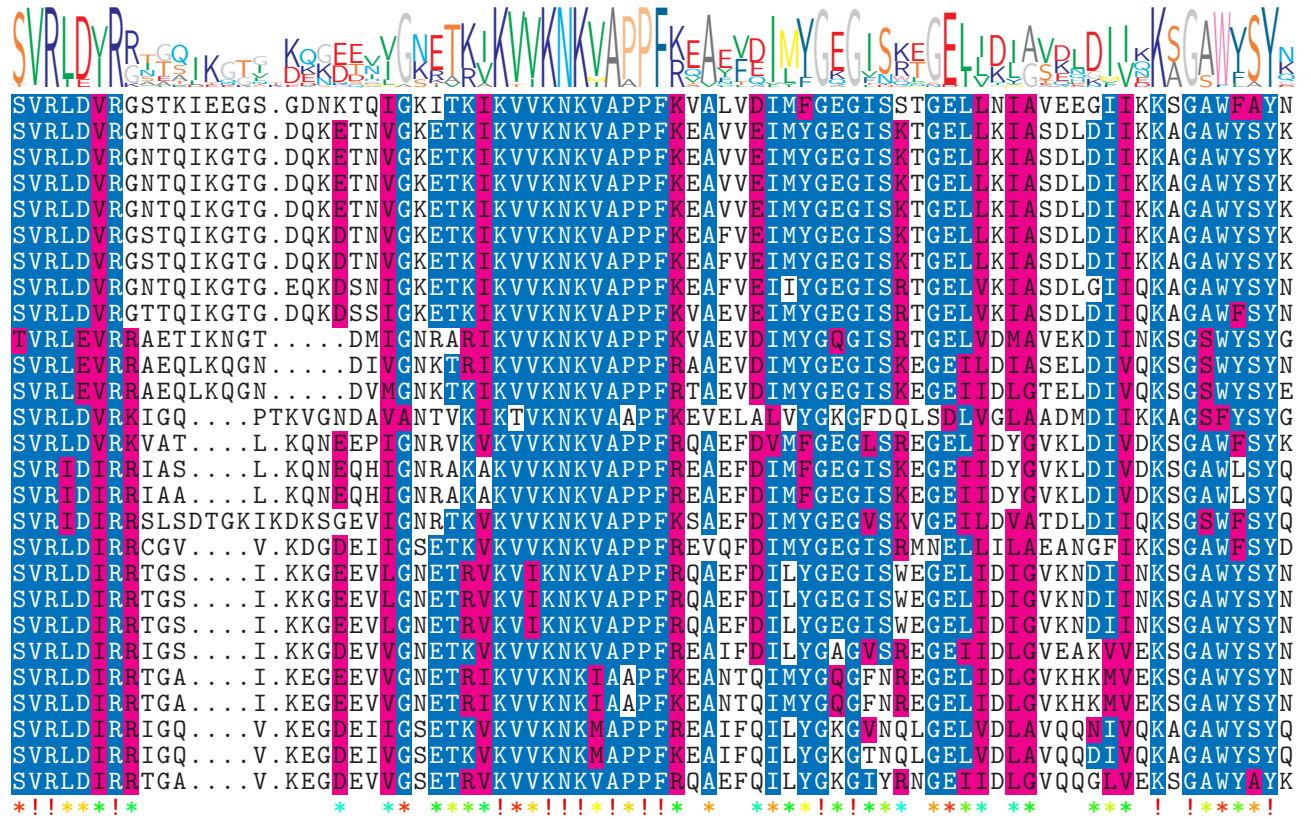
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| NTDB id | Accession | Protein | Sequence | Position |
|----------------|-----------|----------------|--|----------|
| NTDB id 600 | KW2 | RS01765 | WP 011675413.1 | 154 |
| NTDB id 269 | KZH43 | RS08665 | WP 001085462.1 | 153 |
| NTDB id 228 | SPD | RS09265 | WP 001085462.1 | 153 |
| NTDB id 194 | SPR | RS08825 | WP 001085462.1 | 153 |
| NTDB id 159 | SP | RS09750 | WP 001085462.1 | 153 |
| NTDB id 527 | SMSK321 | RS11065 | WP 001085454.1 | 153 |
| NTDB id 499 | SM12261 | RS08315 | WP 078228268.1 | 153 |
| NTDB id 408 | SMU | RS09530 | WP 002262392.1 | 153 |
| NTDB id 453 | Spy49 | 1753c | ACI62003.1 | 153 |
| NTDB id 625 | LCA | RS02525 | WP 011374196.1 | 140 |
| NTDB id 369317 | FJM50 | RS24515 | WP 013058804.1 | 138 |
| NTDB id 115 | BSU | 16940 | NP 389576.2 | 138 |
| NTDB id 1313 | DR | RS12030 | WP 010888966.1 | 152 |
| NTDB id 1245 | Cj1673c | YP 002345041.1 | | 139 |
| NTDB id 1211 | C694 | RS00795 | WP 000963128.1 | 141 |
| NTDB id 1214 | NCTC11637 | 00359 | SQJ03206.1 | 141 |
| NTDB id 1334 | RAOC | RS04870 | WP 004918236.1 | 148 |
| NTDB id 1389 | A4U84 | RS07560 | WP 021112712.1 | 156 |
| NTDB id 1130 | NGFG | RS03960 | WP 003688695.1 | 140 |
| NTDB id 1124 | NGFG | RS03960 | WP 003688695.1 | 140 |
| NTDB id 1123 | OK783 | RS03845 | WP 003688695.1 | 140 |
| NTDB id 1427 | RS | RS02760 | WP 011000510.1 | 148 |
| NTDB id 1165 | A1552VC | RS01565 | WP 000344154.1 | 139 |
| NTDB id 1142 | GTF74 | RS11550 | WP 000344154.1 | 139 |
| NTDB id 1022 | ACIAD | RS06390 | WP 004925639.1 | 139 |
| NTDB id 1074 | ABD1 | RS10195 | WP 000344167.1 | 139 |
| NTDB id 1205 | PSJM300 | 05545 | AFN77183.1 | 139 |
| consensus | | | **!***!!!!*!!!!* ! **! !* ** !**!!!!*!* !! !*****!***!!!!*!!!!*!*! * ***!***!* | |



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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
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 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
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 NTDB id 499 SM12261 RS08315 WP 078228268.1
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 NTDB id 625 LCA RS02525 WP 011374196.1
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 NTDB id 1205 PSJM300 05545 AFN77183.1
 consensus



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|---|---------|-----|
| | LEIEIEE | |
| NTDB id 600 KW2 RS01765 WP 011675413.1 | | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | LEIEIEE | 388 |
| NTDB id 228 SPD RS09265 WP 001085462.1 | LEIEIEE | 388 |
| NTDB id 194 SPR RS08825 WP 001085462.1 | LEIEIEE | 388 |
| NTDB id 159 SP RS09750 WP 001085462.1 | LEIEIEE | 388 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | LEIEIEE | 384 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | LEIEIEE | 384 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | IELED.. | 383 |
| NTDB id 453 Spy49 1753c ACI62003.1 | IEIED.. | 378 |
| NTDB id 625 LCA RS02525 WP 011374196.1 | | 355 |
| NTDB id 369317 FJM50 RS24515 WP 013058804.1 | | 345 |
| NTDB id 115 BSU 16940 NP 389576.2 | | 348 |
| NTDB id 1313 DR RS12030 WP 010888966.1 | | 363 |
| NTDB id 1245 Cj1673c YP 002345041.1 | | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 | | 347 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 | | 347 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 | | 343 |
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| NTDB id 1123 OK783 RS03845 WP 003688695.1 | | 348 |
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| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | | 354 |
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| NTDB id 1022 ACIAD RS06390 WP 004925639.1 | | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 | | 349 |
| NTDB id 1205 PSJM300 05545 AFN77183.1 | | 347 |

consensus

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