

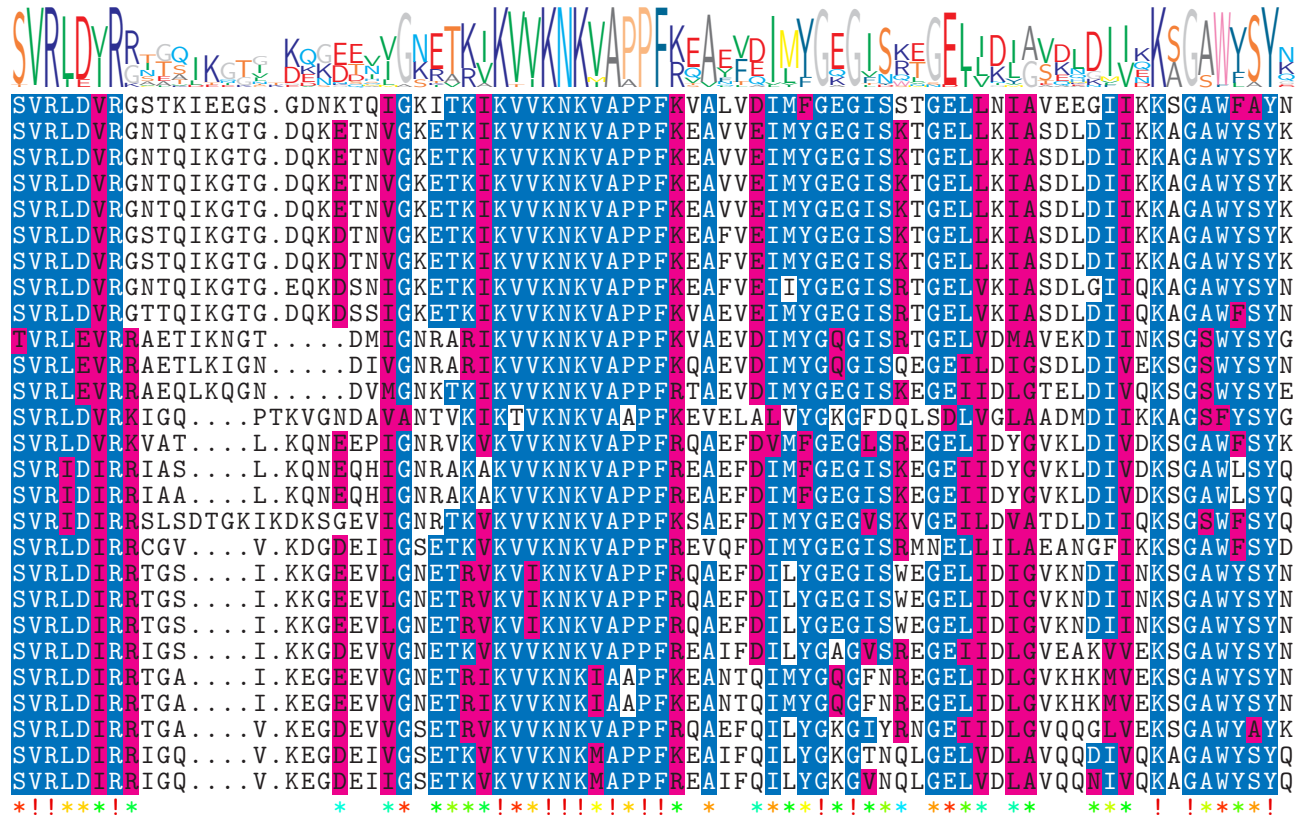
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|---|--------------------------|------------------|-------------------|--------------------|------------------|-------------------|---------------|-------------------------|----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | MATK.....KKTNFDDITKKYGA | ERDKALADALALIEKD | FGKGSIMRLGEA | .ANQKVS | VSSGSLALDI | ALGAGGYPKGR | 74 | | |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | .MAK.....KPKKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 228 SPD RS09265 WP 001085462.1 | .MAK.....KPKKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 194 SPR RS08825 WP 001085462.1 | .MAK.....KPKKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 159 SP RS09750 WP 001085462.1 | .MAK.....KPKKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | .MAK.....KPKKLDEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | .MAK.....KPKKLDEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | | | |
| NTDB id 408 SMU RS09530 WP 002262392.1 | .MAK.....RIKKTTEEITKKFGD | ERRKALDDALKN | IEKDFGKGAVMRLGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | | | |
| NTDB id 453 Spy49 1753c ACI62003.1 | .MAK.....KLKKNEEITKKFGD | ERRKALDDALKN | IEKDFGKGAVMRLGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | | | |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKD | ERQAALDAALKK | IEKNFGKGSIMRMGEK | .VDTQVSTVSSGSLALDE | ALGVGGYPRGR | 60 | | | |
| NTDB id 263315 C0674 RS06915 WP 028975734.1 |MAEKN | ERKAALDSALRQ | IEKQFGKGSIMRLGER | .PEQRVSTVSSGSLALDI | AMGVGGYPRGR | 61 | | | |
| NTDB id 115 BSU 16940 NP 389576.2 |MS | DRQAALDMALKQ | IEKQFGKGSIMKLG | EK.TDTRI | ISTVPSGSLALDTALG | IGGYPRGR | 58 | | |
| NTDB id 1313 DR RS12030 WP 010888966.1 |MSKDATKEISAPTD | AKERSKATETAMS | QIEKAFGKGSIMKLGAE | .SKLDVQVVSTGSLSLD | ALGVGGIPRGR | 72 | | | |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDDN | KRKSALDAALKS | LDKTFGKGTILRLGDK | .EVEQIDS | IGTGSVGLDLALG | IGGVPKGR | 59 | | |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDE | DKQKATISLAIK | QIDKVF | FGKGA | LVR | LGDK.QVEKIDS | ISTGSLGLDLALG | IGGVPKGR | 61 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDE | DKQKATISLAIK | QIDKVF | FGKGA | LVR | LGDK.QVEKIDA | ISTGSLGLDLALG | IGGVPKGR | 61 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKT..ETTSPND | DKKKALAAVLEK | LDKTYGKGTVMKLG | DGTVDHNI | IEVIPS | SGSLGLDLALG | VG | GGYPKGR | 68 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | .MAENKKS | SKNNTV.VKQVEPE | QKKQALEAALA | QIEKQFGKGSIMKLG | QT.EQLDI | ESVSTGSLGLDLALG | IGGLPMGR | 76 | |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSD | DKSKALAAALA | QIEKSFGKGA | AIMKMDGSQ | QEE | NLEVISTGSLGLDLALG | VGGLPRGR | 60 | |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSD | DKSKALAAALA | QIEKSFGKGA | AIMKMDGSQ | QEE | NLEVISTGSLGLDLALG | VGGLPRGR | 60 | |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSD | DKSKALAAALA | QIEKSFGKGA | AIMKMDGSQ | QEE | NLEVISTGSLGLDLALG | VGGLPRGR | 60 | |
| NTDB id 1427 RS RS02760 WP 011000510.1 | .MEDG.....K..KAASMSA | EKQKALAAALA | QIEKQFGKGSIMKMG | DA.EVEPVQV | VSTGSLGLD | VALGVGGLPRGR | 68 | | |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDEN | KQKALAAALG | QIEKQFGKGSIMRLG | DN.RAMDVET | ISTGSLSLDI | ALGAGGLPMGR | 59 | | |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDEN | KQKALAAALG | QIEKQFGKGSIMRLG | DN.RAMDVET | ISTGSLSLDI | ALGAGGLPMGR | 59 | | |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDEN | KKRALAAALG | QIEKQFGKGA | VMRMDH.DRQA | IPSI | STGSLGLDI | ALGIGGLPKGR | 59 | |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDEN | KS | KALQAALS | QIEKQFGKNTVMRLG | DN.TVQAVEAV | STGSLTLDI | ALGIGGLPKGR | 59 | |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDDN | KS | KALQAALS | QIEKQFGKNTVMRLG | DN.TVQAVEAV | STGSLTLDI | ALGIGGLPKGR | 59 | |
| consensus | | ** | ** | ** | ***! | *!!***** | * | ***!!*!!*!!*!!*!!*!!*!! | |

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 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
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 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
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 NTDB id 1427 RS RS02760 WP 011000510.1
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 consensus

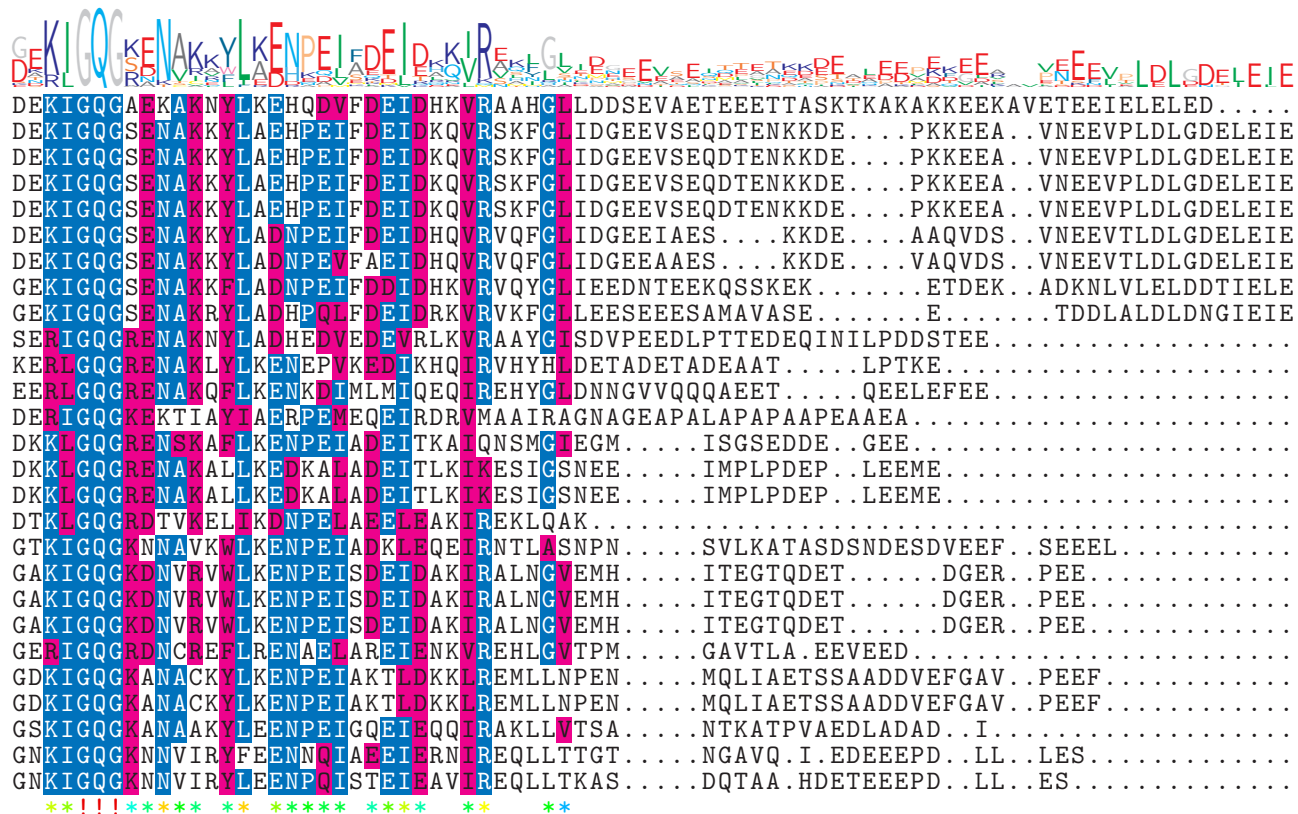


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 NTDB id 269 KZH43 RS08665 WP 001085462.1
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 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
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 NTDB id 1205 PSJM300 05545 AFN77183.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1

consensus



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|---|-----|-----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | ... | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | IEE | 388 |
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| NTDB id 194 SPR RS08825 WP 001085462.1 | IEE | 388 |
| NTDB id 159 SP RS09750 WP 001085462.1 | IEE | 388 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | IEE | 384 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | IEE | 384 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | D.. | 383 |
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| NTDB id 625 LCA RS02525 WP 011374196.1 | ... | 355 |
| NTDB id 263315 C0674 RS06915 WP 028975734.1 | ... | 348 |
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| NTDB id 1022 ACIAD RS06390 WP 004925639.1 | ... | 349 |

consensus

 non conserved
 similar
 ≥ 50% conserved