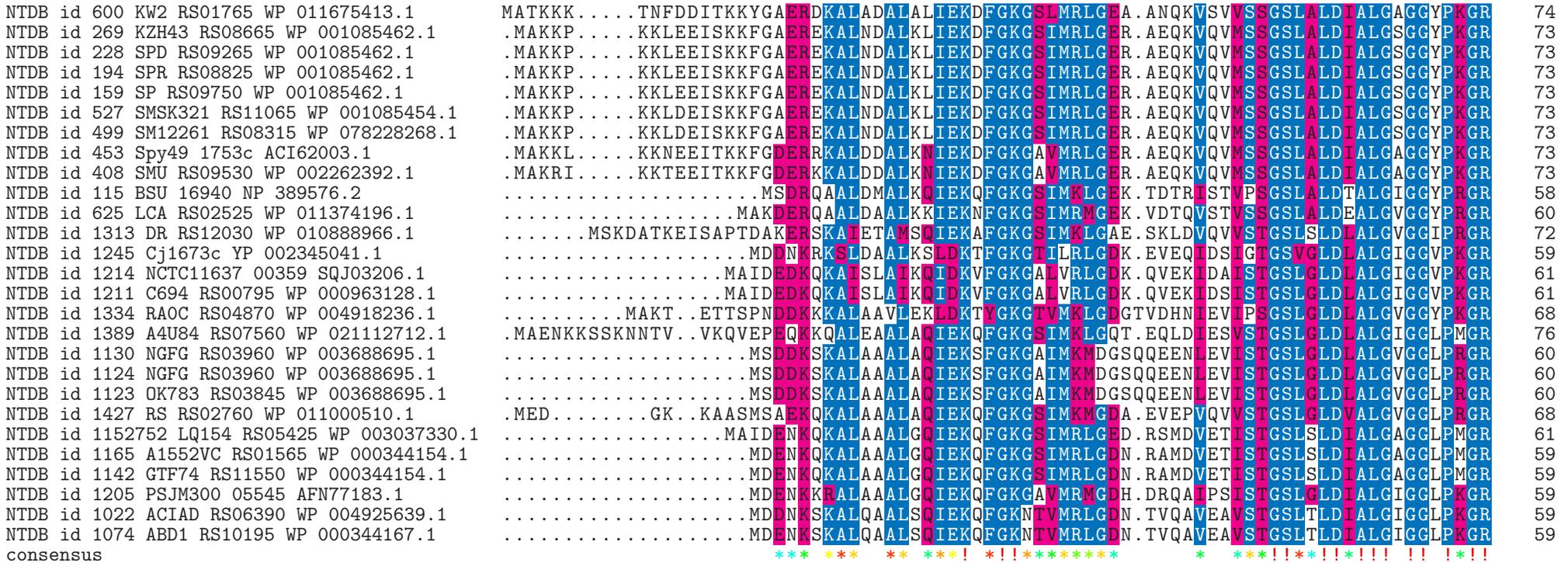


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| NTDB id 600 KW2 RS01765 WP 011675413.1 | SVRLDVRG | STKIEEGS | .GDNKTQ | IKITK | KVVKNKVAPPF | KVALVD | IMF | GEGIS | STGEL | LNIA | VEEGTI | KKSGAW | FAYN | 312 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | SVRLDVRG | NTQIKGTG | .DQKE | TNVG | KETK | KVVKNKVAPPF | KEAVVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 228 SPD RS09265 WP 001085462.1 | SVRLDVRG | NTQIKGTG | .DQKE | TNVG | KETK | KVVKNKVAPPF | KEAVVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 194 SPR RS08825 WP 001085462.1 | SVRLDVRG | NTQIKGTG | .DQKE | TNVG | KETK | KVVKNKVAPPF | KEAVVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 159 SP RS09750 WP 001085462.1 | SVRLDVRG | NTQIKGTG | .DQKE | TNVG | KETK | KVVKNKVAPPF | KEAVVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | SVRLDVRG | STQIKGTG | .DQKD | TNVG | KETK | KVVKNKVAPPF | KEAFVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | SVRLDVRG | STQIKGTG | .DQKD | TNVG | KETK | KVVKNKVAPPF | KEAFVE | IMY | GEGIS | KTGEL | LKIASD | LDI | IKKAGAW | SYK |
| NTDB id 453 Spy49 1753c ACI62003.1 | SVRLDVRG | TQIKGTG | .EQK | SSIG | KETK | KVVKNKVAPPF | KVAEVE | IMY | GEGIS | RTGEL | VKIASD | LDI | IQKAGAW | FSYN |
| NTDB id 408 SMU RS09530 WP 002262392.1 | SVRLDVRG | NTQIKGTG | .EQK | SNIG | KETK | KVVKNKVAPPF | KEAFVE | IMY | GEGIS | RTGEL | VKIASD | LDI | IQKAGAW | FSYN |
| NTDB id 115 BSU 16940 NP 389576.2 | SVRLEVR | RAEQLKQGN |D | VMGN | TKIK | VVKNKVAPPF | RTA | EVD | IMY | GEGIS | KEGE | IDL | GTELDI | VQKSG |
| NTDB id 625 LCA RS02525 WP 011374196.1 | TVRLEVR | RAETIKNGT |D | MI | GNRARI | VVKNKVAPPF | KVAEVE | IMY | GEGIS | RTGEL | VDMAVE | KDI | INKSG | SWYSY |
| NTDB id 1313 DR RS12030 WP 010888966.1 | SVRLDVR | KIGQ.... | PTKVG | NDAV | ANTV | KIKT | VKNKVA | APPF | KEVEL | LALV | YGG | KCFD | QLSDI | VGLA |
| NTDB id 1245 Cj1673c YP 002345041.1 | SVRLDVR | KVAT.... | L.KQNE | EPI | GNRV | VVKNKVAPPF | RQA | EFD | IMF | GEGIS | REGE | LDY | GVKLDI | VDKSG |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 | SVRIDIR | RIAA.... | L.KQNE | QHI | GNRA | KVKNKVAPPF | REAE | FDM | F | GEGIS | KEGE | LDY | GVKLDI | VDKSG |
| NTDB id 1211 C694 RS00795 WP 000963128.1 | SVRIDIR | RIAS.... | L.KQNE | QHI | GNRA | KVKNKVAPPF | REAE | FDM | F | GEGIS | KEGE | LDY | GVKLDI | VDKSG |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 | SVRIDIR | RSLSDTG | KIKDKS | GEVI | GNRT | VVKNKVAPPF | KS | AEFD | IMY | GEGIS | SKVGE | LDV | ATDL | DI |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | SVRLDIR | RCGV.... | V.KDGD | EII | GSET | VVKNKVAPPF | RE | VQFD | IMY | GEGIS | RMNELL | ILAE | ANGFI | KKSG |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 | SVRLDIR | RTGS.... | I.KKGE | EVL | GNET | RKVI | KNKVAPPF | RQA | EFD | ILY | GEGIS | WE | GEL | LDI |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 | SVRLDIR | RTGS.... | I.KKGE | EVL | GNET | RKVI | KNKVAPPF | RQA | EFD | ILY | GEGIS | WE | GEL | LDI |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 | SVRLDIR | RTGS.... | I.KKGE | EVL | GNET | RKVI | KNKVAPPF | RQA | EFD | ILY | GEGIS | WE | GEL | LDI |
| NTDB id 1427 RS RS02760 WP 011000510.1 | SVRLDIR | RIGS.... | I.KKGE | EVV | GNET | VVKNKVAPPF | RE | AIFD | ILY | GACV | REGE | IDL | GVEAK | VVEK |
| NTDB id 1152752 LQ154 RS05425 WP 003037330.1 | SVRLDIR | RIGA.... | V.KEGD | NVV | GSET | RKVI | KNKVAPPF | RQA | EFD | ILY | GEGIS | INFY | GEL | VDL |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | SVRLDIR | RTGA.... | I.KEGE | EVV | GNET | RKVI | KNKVAPPF | RE | AIFD | ILY | GACV | REGE | IDL | GVEAK |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 | SVRLDIR | RTGA.... | I.KEGE | EVV | GNET | RKVI | KNKVAPPF | RE | AIFD | ILY | GACV | REGE | IDL | GVEAK |
| NTDB id 1205 PSJM300 05545 AFN77183.1 | SVRLDIR | RTGA.... | V.KEGD | EVV | GSET | RKVI | KNKVAPPF | RQA | EFD | ILY | GKGI | YR | NGE | IDL |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 | SVRLDIR | RIGQ.... | V.KEGD | EII | GSET | VVKNKVAPPF | RE | AIFQ | ILY | GKGV | NQL | GEL | VDL | VQQN |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 | SVRLDIR | RIGQ.... | V.KEGD | EII | GSET | VVKNKVAPPF | RE | AIFQ | ILY | GKGV | NQL | GEL | VDL | VQQN |
| consensus | *!!**!*! | * | ** | *****!***!!*!!*!!*! | * | *****!* | *** | ***!* | *** | *** | *** | *** | *** | ***! |

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⊠ non conserved
⊠ similar
⊠ ≥ 50% conserved