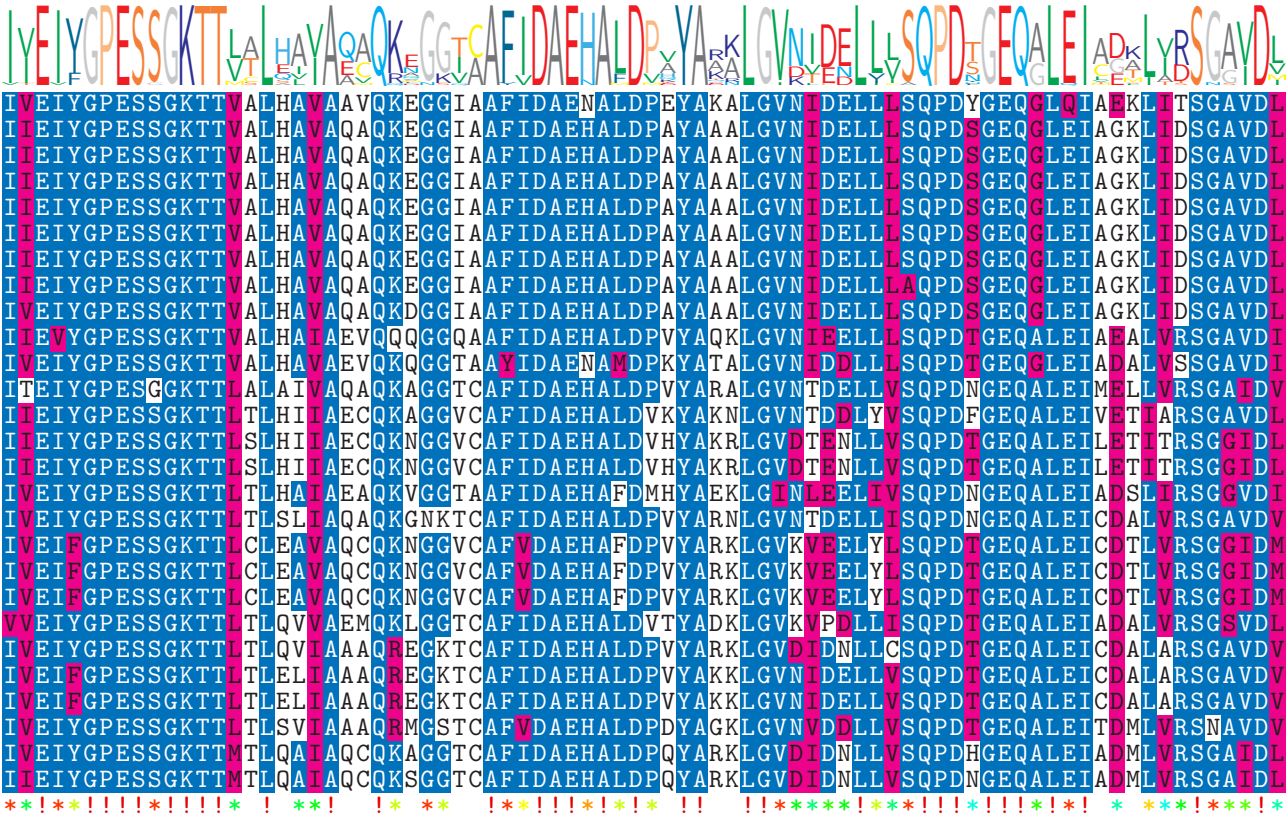


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| NTDB id 194 SPR RS08825 WP 001085462.1       | .MAKKP....KKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
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| NTDB id 527 SMSK321 RS11065 WP 001085454.1   | .MAKKP....KKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1   | .MAKKP....KKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
| NTDB id 453 Spy49 1753c ACI62003.1           | .MAKKL....KKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDIALGAGGYPKGR  | 73 |
| NTDB id 408 SMU RS09530 WP 002262392.1       | .MAKRI....KKTEEITKKFGDERKKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDIALGAGGYPKGR  | 73 |
| NTDB id 115 BSU 16940 NP 389576.2            | .....MSDRQAALDMALKQIEKQFGKCSIMKLCEK.TDTRIISTVPSGSLALDIALGIGGYPRGR                | 58 |
| NTDB id 625 LCA RS02525 WP 011374196.1       | .....MAKDERQAALDAALKKIEKNFGKCSIMRMCEK.VDTQVSTVSSGSLALDEALGVGGYPRGR               | 60 |
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| NTDB id 1245 Cj1673c YP 002345041.1          | .....MDLNKRKSLDAALKSLDKTFGKGTILRLCDK.EVEQIDSIIGTGSVGLDLALGIGGYPRGR               | 59 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1      | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDASTGSLGLDLALGIGGYPRGR              | 61 |
| NTDB id 1211 C694 RS00795 WP 000963128.1     | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDASTGSLGLDLALGIGGYPRGR              | 61 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1     | .....MAKT..ETTSPNDDKKKALAAVLEKLDKTYGKCTVMKLCGDTVDHNEVIPSGLGLDLALGVGGYPKGR        | 68 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1    | .MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKCSIMKLQQT.EQLDIESVSTGSLGLDLALGIGGLPMGR | 76 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1     | .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALGVGGLPGR                | 60 |
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| NTDB id 76583 KPNIH27 RS20375 WP 004185369.1 | .....MAIDENKQKALAAALGQIEKQFGKCSIMRLCED.RTMDVETISTGSLSLDIALGAGGLPMGR              | 61 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1  | .....MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDIALGAGGLPMGR                | 59 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1    | .....MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDIALGAGGLPMGR                | 59 |
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| NTDB id 1074 ABD1 RS10195 WP 000344167.1     | .....MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR                | 59 |
| consensus                                    | *** ** *                                                                         |    |

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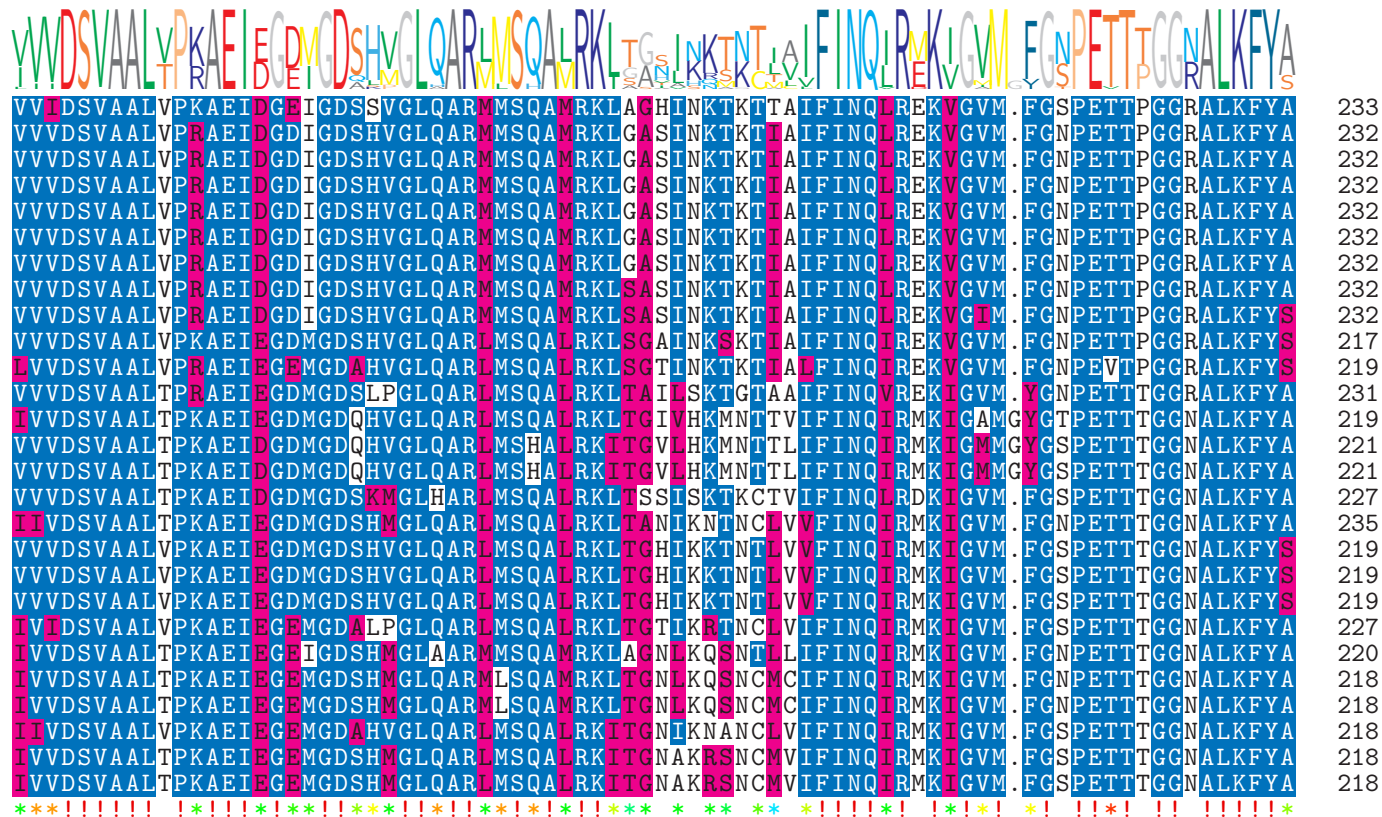


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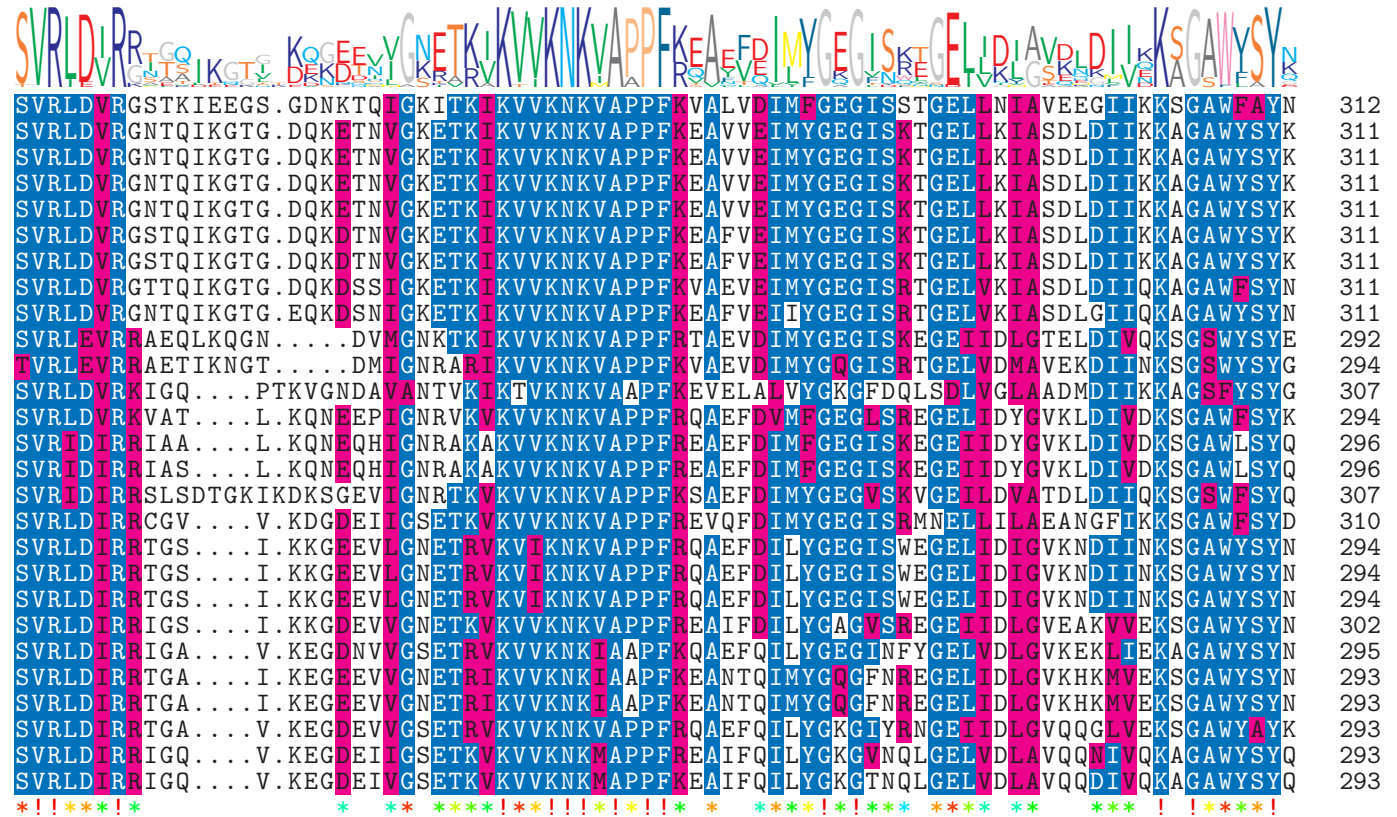
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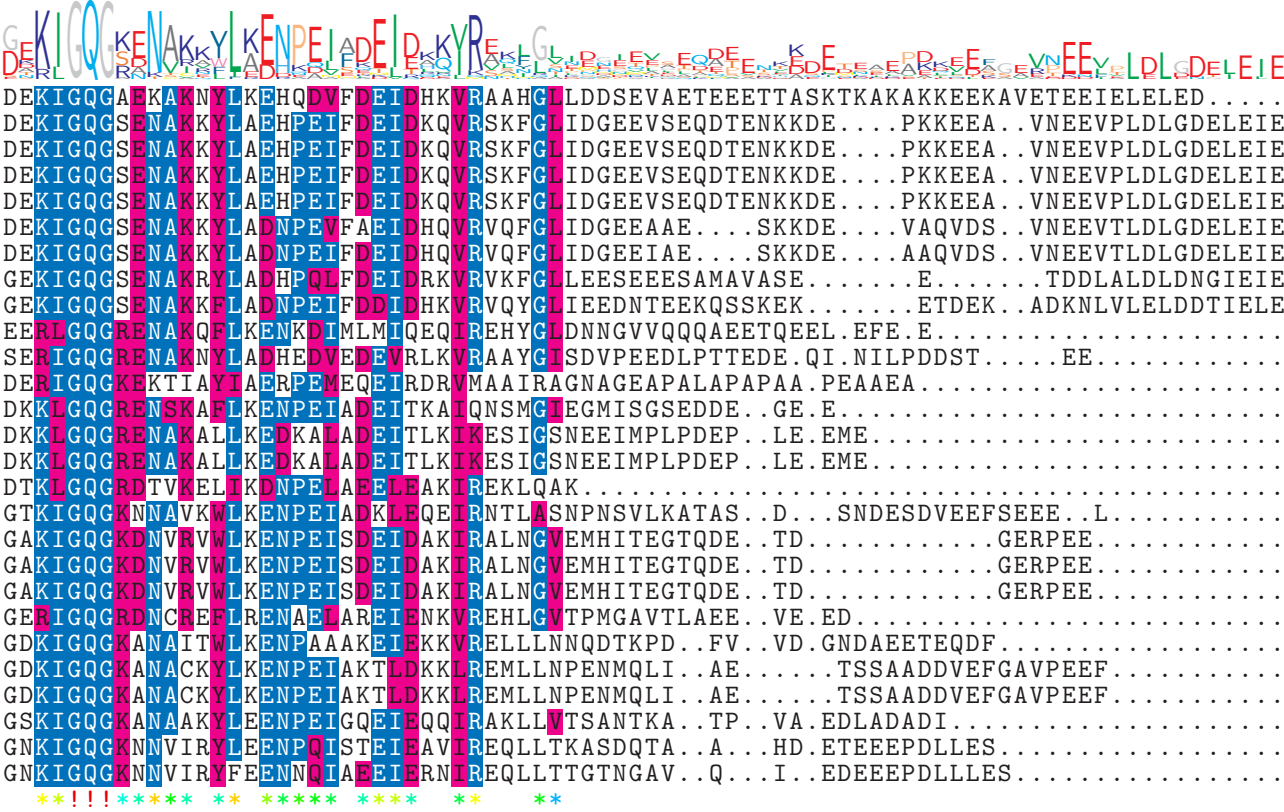


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- non conserved
- similar
- ≥ 50% conserved