

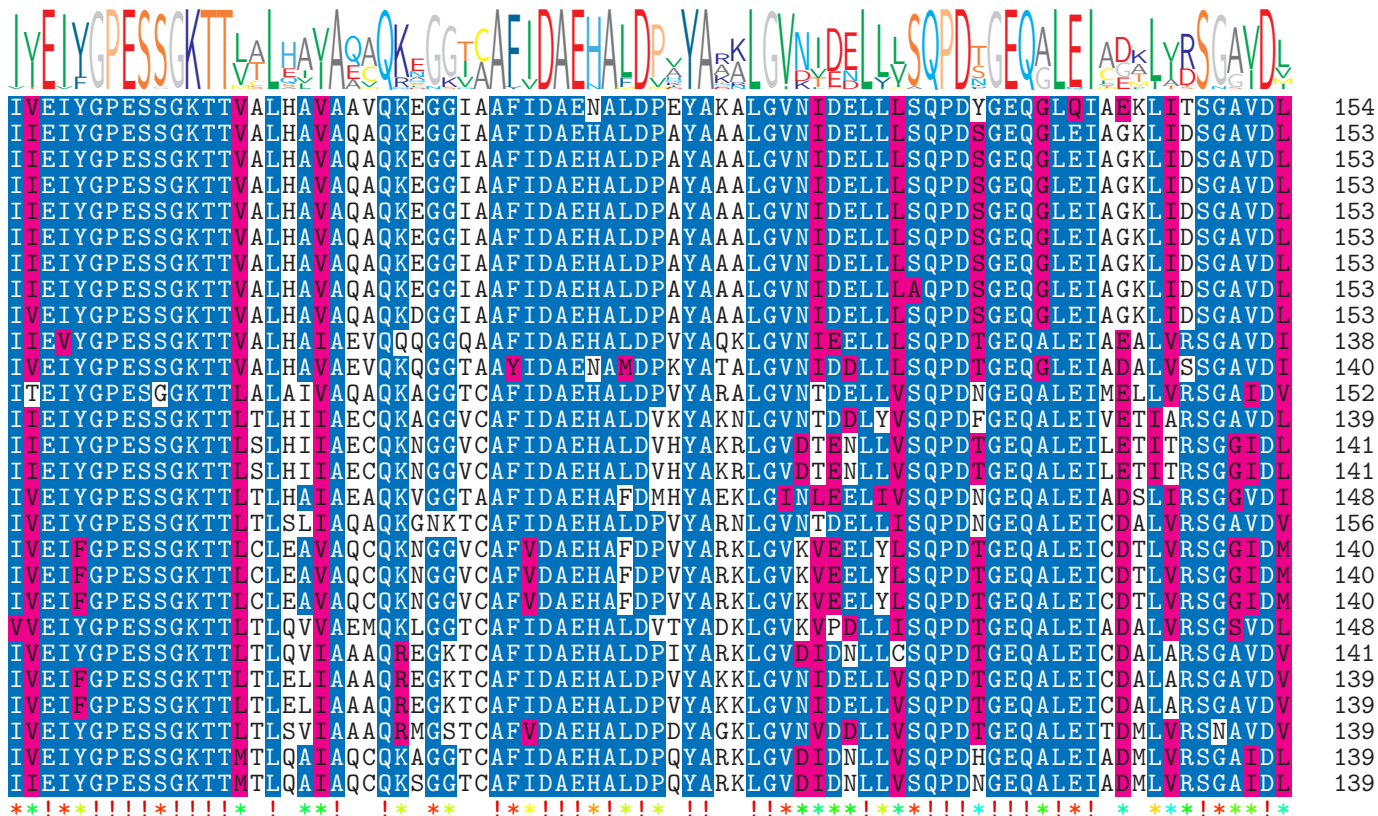
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| NTDB id 269 KZH43 RS08665 WP 001085462.1     | .MAKKP....KKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
| NTDB id 228 SPD RS09265 WP 001085462.1       | .MAKKP....KKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
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| NTDB id 527 SMSK321 RS11065 WP 001085454.1   | .MAKKP....KKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR  | 73 |
| NTDB id 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            | .....MSDRQAALDMALKQIEKQFGKCSIMKLCER.TDTRISTVPSGSLALDIALGIGGYPRGR                 | 58 |
| NTDB id 625 LCA RS02525 WP 011374196.1       | .....MAKDERQAALDAALKKIEKNFGKCSIMRMCEK.VDTQVSTVSSGSLALDEALCVGGYPRGR               | 60 |
| NTDB id 1313 DR RS12030 WP 010888966.1       | .....MSKDATKEISAPTDAKERSKATETAMQIEKAFGKCSIMKLCER.SKLDVQVSTGSLSLDIALCVGGIPRGR     | 72 |
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| 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..ETTSPNDDKKKALAAVLEKLDKTYGKCTVMKLCGDTVDHNEVIPSGLGLDLALCVGGYPKGR        | 68 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1    | .MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKCSIMKLCQT.EQLDIESVSTGSLGLDLALGIGGLPMGR | 76 |
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| NTDB id 1074 ABD1 RS10195 WP 000344167.1     | .....MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR                | 59 |
| consensus                                    | *** ** *                                                                         |    |

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NTDB id 228 SPD RS09265 WP 001085462.1
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NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
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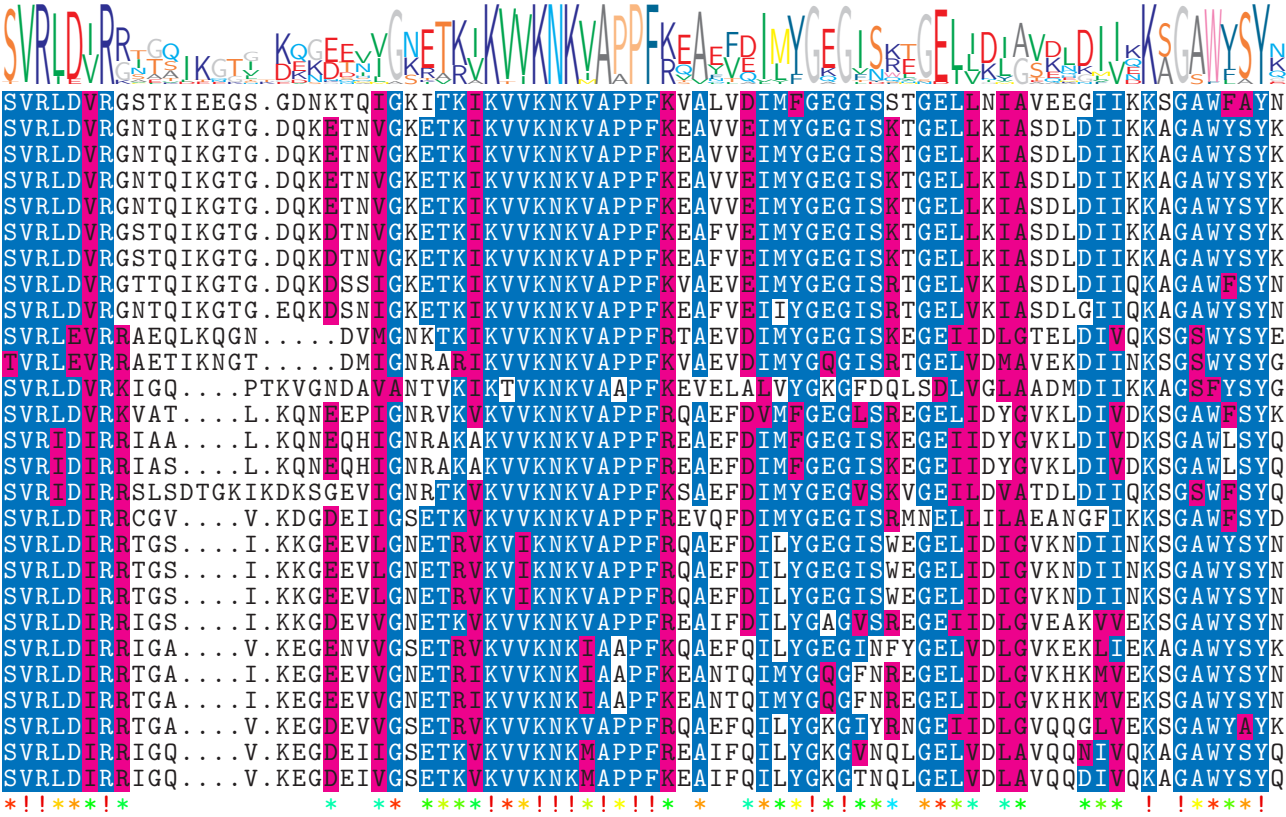
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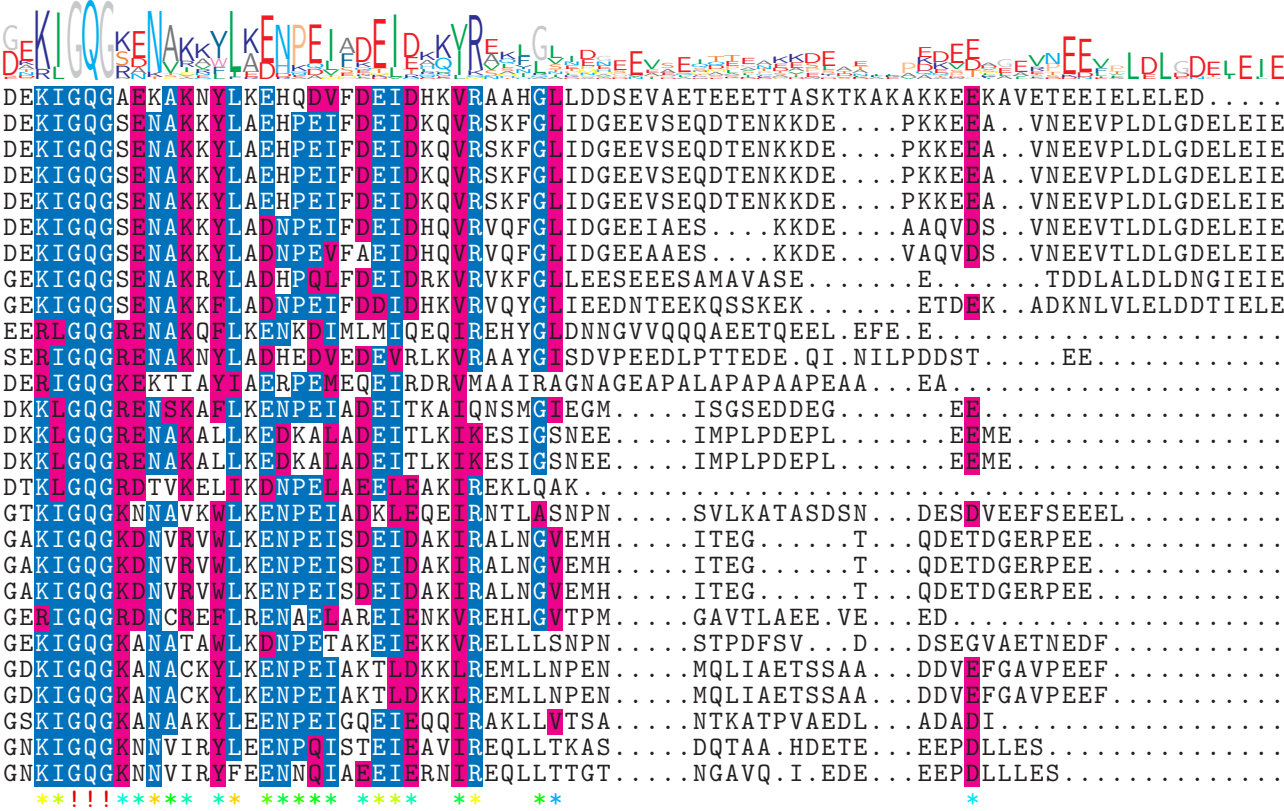
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| consensus                                    |     |     |  |

- non conserved
- similar
- ≥ 50% conserved