

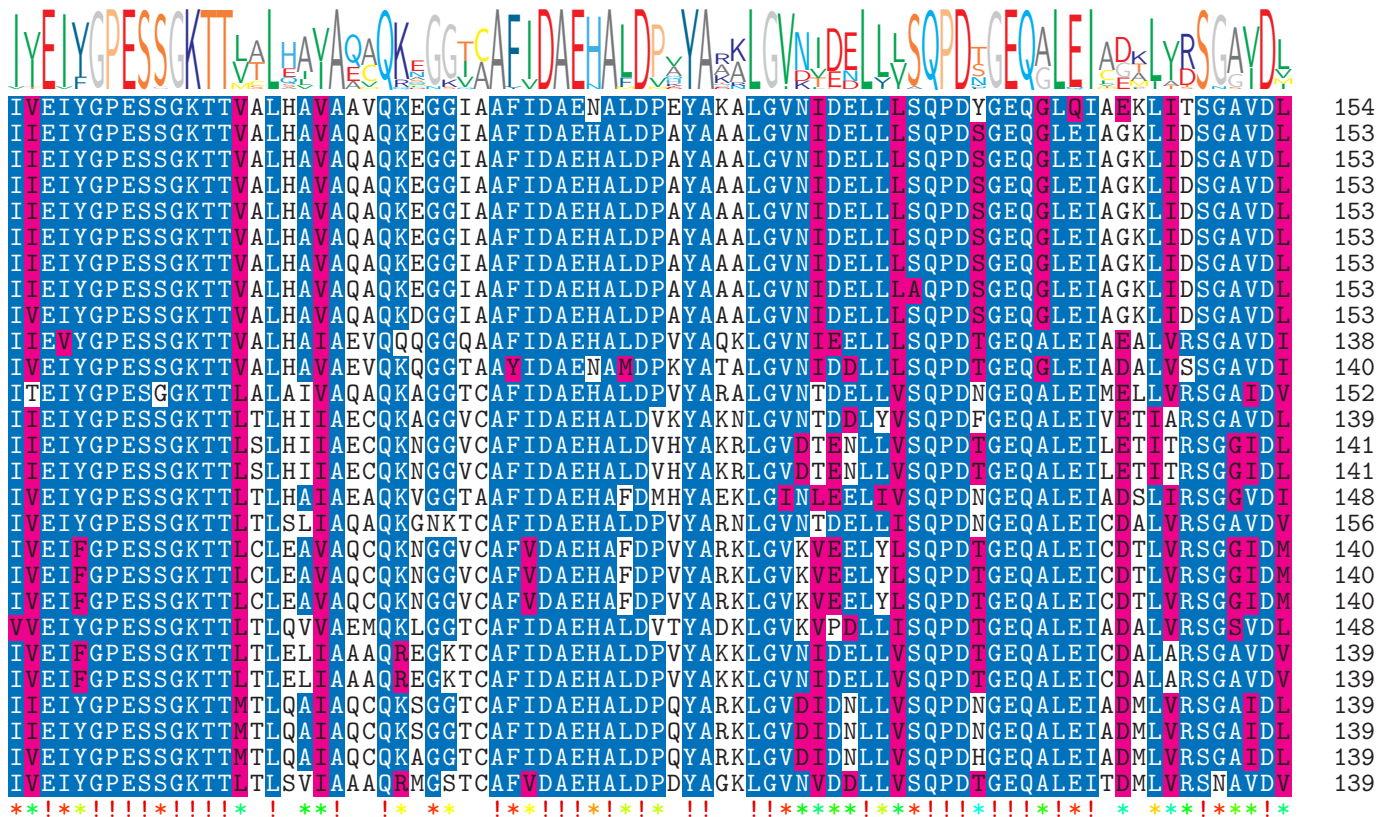
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|                                              |                                                                                 |    |
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| NTDB id 269 KZH43 RS08665 WP 001085462.1     | .MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR | 73 |
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| NTDB id 194 SPR RS08825 WP 001085462.1       | .MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR | 73 |
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| NTDB id 499 SM12261 RS08315 WP 078228268.1   | .MAKK....PKKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDIALCSGGYPKGR | 73 |
| NTDB id 453 Spy49 1753c ACI62003.1           | .MAKK....LKKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDIALGAGGYPKGR | 73 |
| NTDB id 408 SMU RS09530 WP 002262392.1       | .MAKR....IKKTEEITKKFGDERKKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDIALGAGGYPKGR | 73 |
| NTDB id 115 BSU 16940 NP 389576.2            | .....MSDRQAALDMALKQIEKQFGKCSIMKLCEK.TDTRISTVPSGSLALDIALGIGGYPKGR                | 58 |
| NTDB id 625 LCA RS02525 WP 011374196.1       | .....MAKDERQAALDAALKKIEKNFGKCSIMRMCEK.VDTQVSTVSSGSLALDEALCVGGYPKGR              | 60 |
| NTDB id 1313 DR RS12030 WP 010888966.1       | .....MSKDATKEISAPTDAKERSKATETAMQIEKAFGKCSIMKLCAE.SKLDVQVVSTGSLSLDIALCVGGIPKGR   | 72 |
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| NTDB id 1214 NCTC11637 00359 SQJ03206.1      | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDASTGSLGLDLALGIGGVPKGR             | 61 |
| NTDB id 1211 C694 RS00795 WP 000963128.1     | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDASTGSLGLDLALGIGGVPKGR             | 61 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1     | .....MAKT..ETTSPNDDKKKALAAVLEKLDKTYGKCTVMKLCGDTVDHNEVIPSGLGLDLALCVGGYPKGR       | 68 |
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| NTDB id 1142 GTF74 RS11550 WP 000344154.1    | .....MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDIALGAGGLPMGR               | 59 |
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| NTDB id 1205 PSJM300 05545 AFN77183.1        | .....MDENKKFALAAALGQIEKQFGKCAVMRMCDH.DRQAIPSTGSLGLDIALGIGGLPKGR                 | 59 |
| consensus                                    | *** ** *                                                                        |    |

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NTDB id 600 KW2 RS01765 WP 011675413.1
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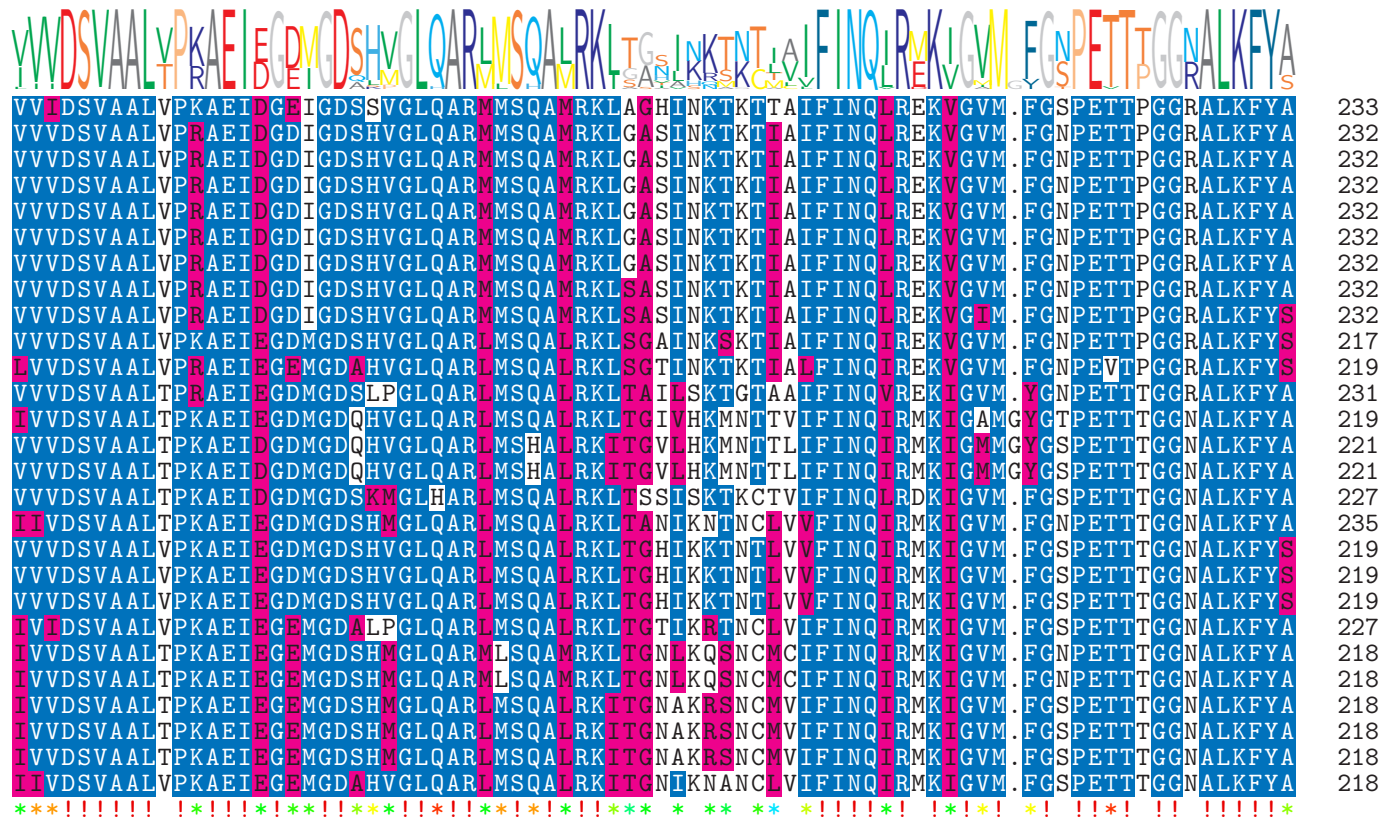
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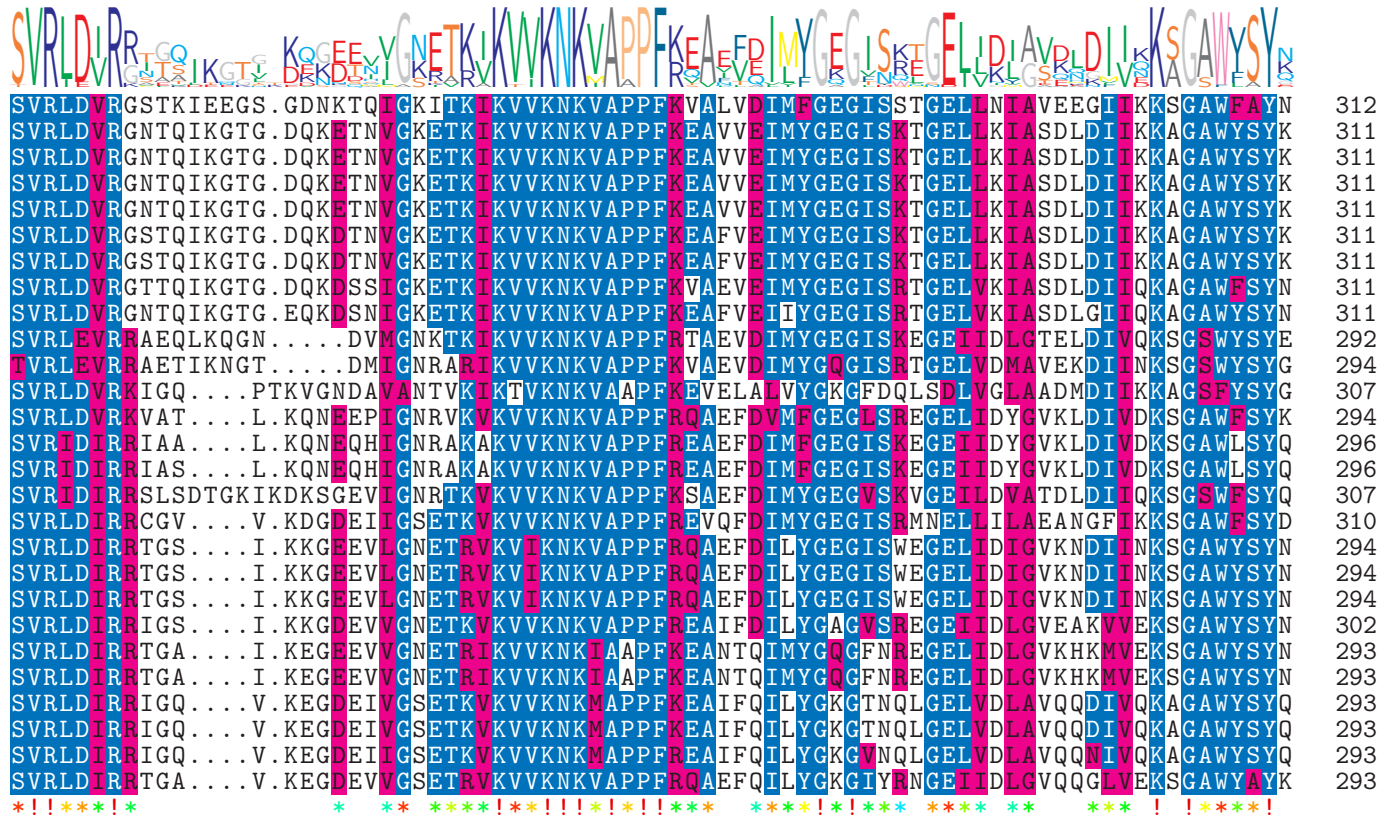
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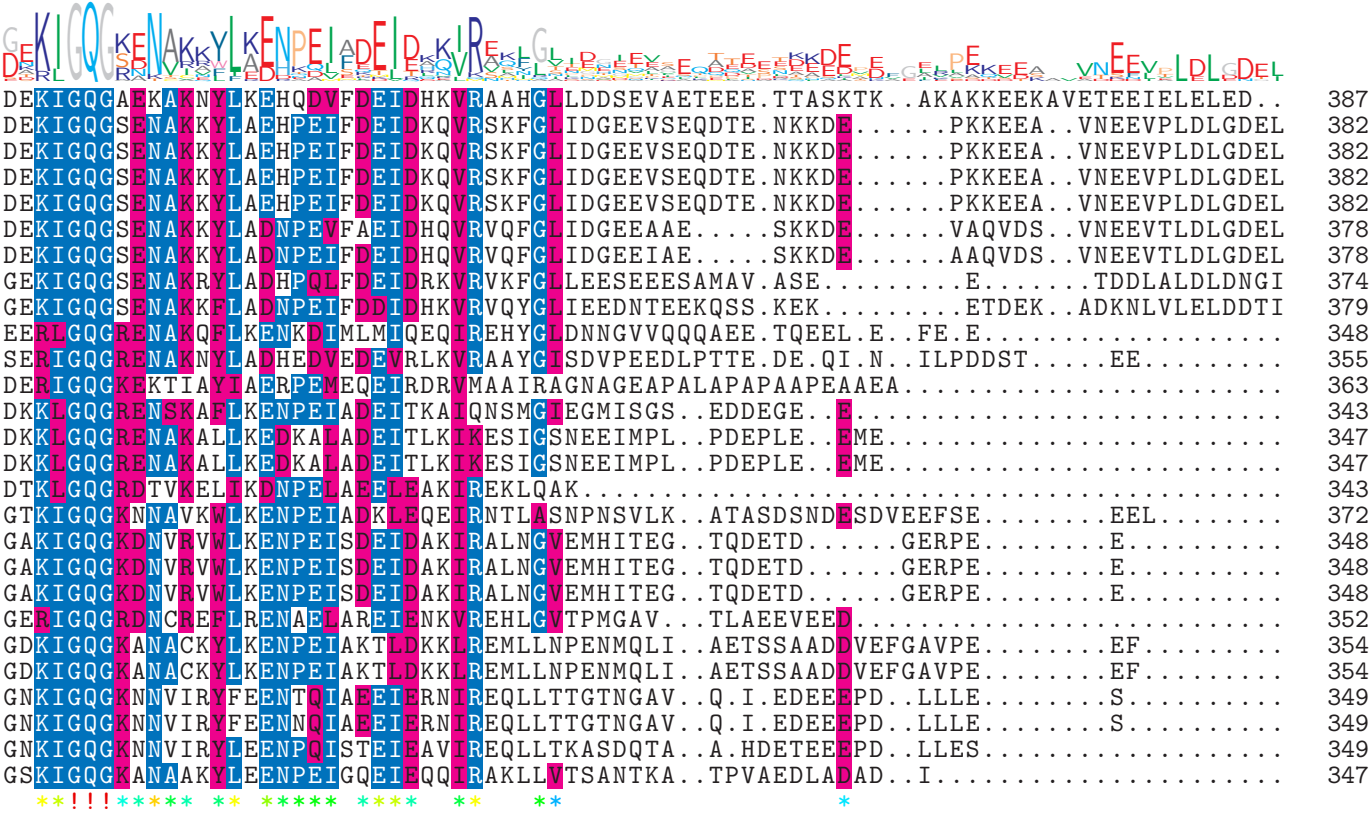
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consensus



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|                                              |        |     |   |   |   |  |
|----------------------------------------------|--------|-----|---|---|---|--|
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| consensus                                    |        |     |   |   |   |  |

-  non conserved
-  similar
-  ≥ 50% conserved