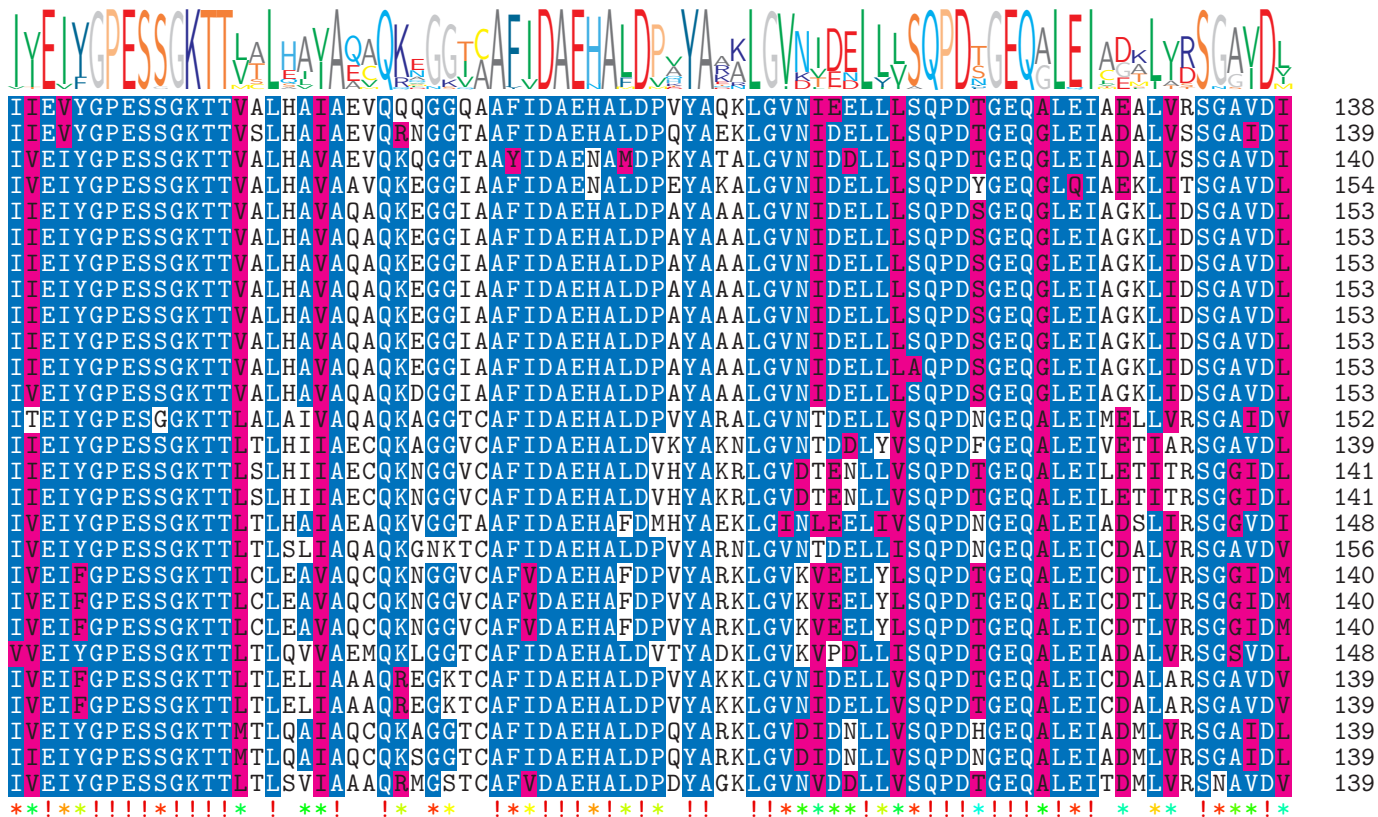


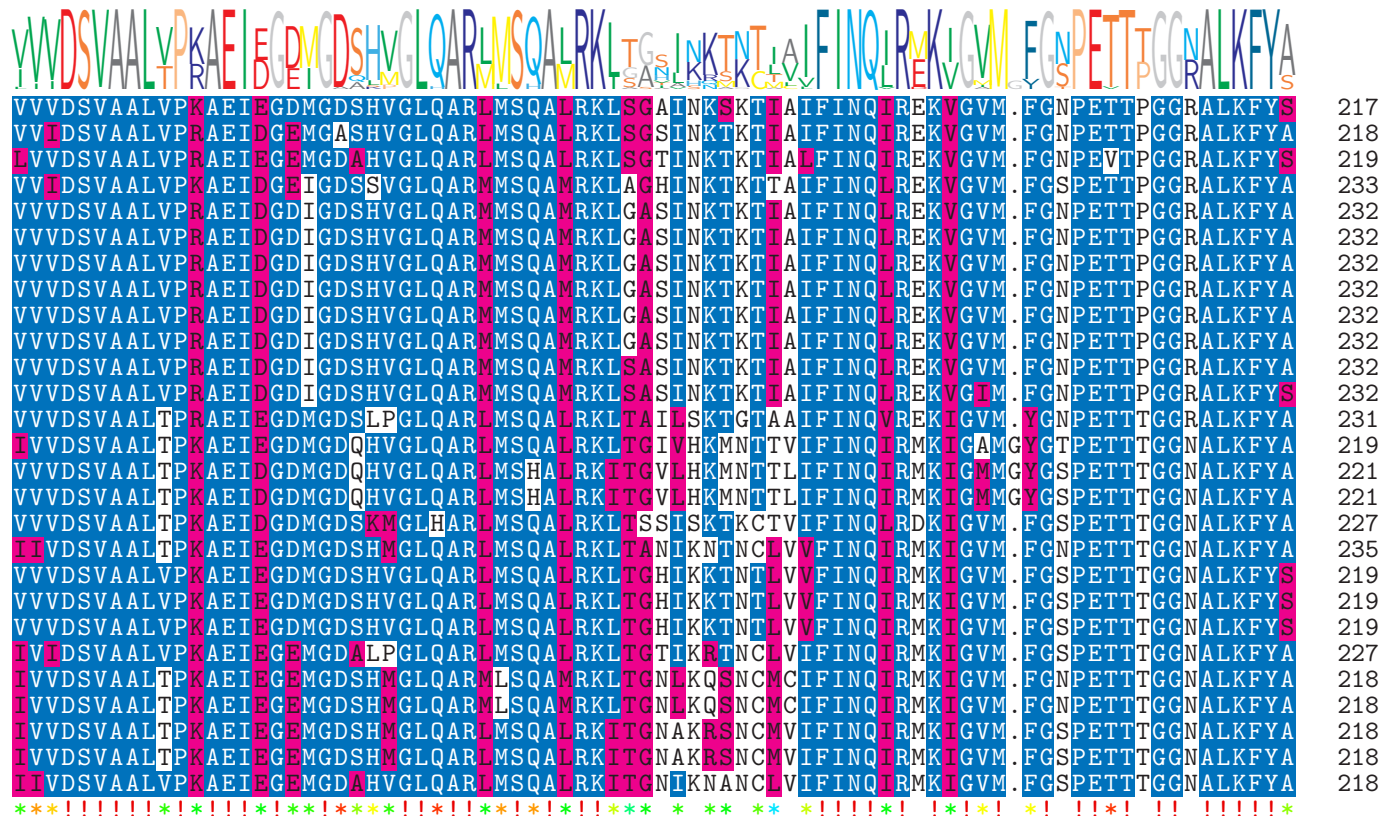
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| NTDB id 1150740 KJA90 RS12930 WP 002354860.1 | .....MADDRKVALDAALKKIEKNFGKCSIMKLCEK.ADQKISTIPSLSLALDVALGVGGYPRGR                | 59 |
| NTDB id 625 LCA RS02525 WP 011374196.1       | .....MAKDERQAALDAALKKIEKNFGKCSIMRMCHEK.VDTQVSTVSSGSLALDEALGVGGYPRGR              | 60 |
| NTDB id 600 KW2 RS01765 WP 011675413.1       | MATK.....KKTNFDDITKKYGAERDKALADALALIEKDFGKCSIMRLCEA.ANQKVSVSSGSLALDTALCAGGYPRGR  | 74 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1     | .MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 228 SPD RS09265 WP 001085462.1       | .MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 194 SPR RS08825 WP 001085462.1       | .MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 159 SP RS09750 WP 001085462.1        | .MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1   | .MAK.....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1   | .MAK.....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR | 73 |
| NTDB id 453 Spy49 1753c ACI62003.1           | .MAK.....KLKKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR | 73 |
| NTDB id 408 SMU RS09530 WP 002262392.1       | .MAK.....RIKKTEEITKKFGDERKKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR | 73 |
| NTDB id 1313 DR RS12030 WP 01088966.1        | .....MSKDATKEISAPTDAKERSKATETAMSQIEKAFGKCSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGTIPRGR  | 72 |
| NTDB id 1245 Cj1673c YP 002345041.1          | .....MDENKRRSLDAALKSLDKTFGKCTILRLCDK.EVEKIDSTIGTGSVGLDLALCIGGVPRGR               | 59 |
| NTDB id 1211 C694 RS00795 WP 000963128.1     | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDSTIGTGSGLDLALCIGGVPRGR             | 61 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1      | .....MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDSTIGTGSGLDLALCIGGVPRGR             | 61 |
| NTDB id 1334 RA0C RS04870 WP 004918236.1     | .....MAKT..ETTSPPNDKKKALAALVLEKLDKTYGKCTVMKLCGDTVDHNEVIPSLSLGLDLALGVGGYPKGR      | 68 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1    | .MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKCSIMKLGGT.EQLDIESVSTGSLGLDLALCIGGLPMGR | 76 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1     | .....MSDDKSKALAAALAQIEKSFGKCAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR                | 60 |
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| NTDB id 1123 OK783 RS03845 WP 003688695.1    | .....MSDDKSKALAAALAQIEKSFGKCAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR                | 60 |
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| NTDB id 1165 A1552VC RS01565 WP 000344154.1  | .....MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDLALCAGGLPMGR                | 59 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1    | .....MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDLALCAGGLPMGR                | 59 |
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| NTDB id 1074 ABD1 RS10195 WP 000344167.1     | .....MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALCIGGLPKGR                | 59 |
| NTDB id 1205 PSJM300 05545 AFN77183.1        | .....MDENKKFALAAALGQIEKQFGKCAVMRMGDH.DRQAIPSTGSLGLDLALCIGGLPKGR                  | 59 |
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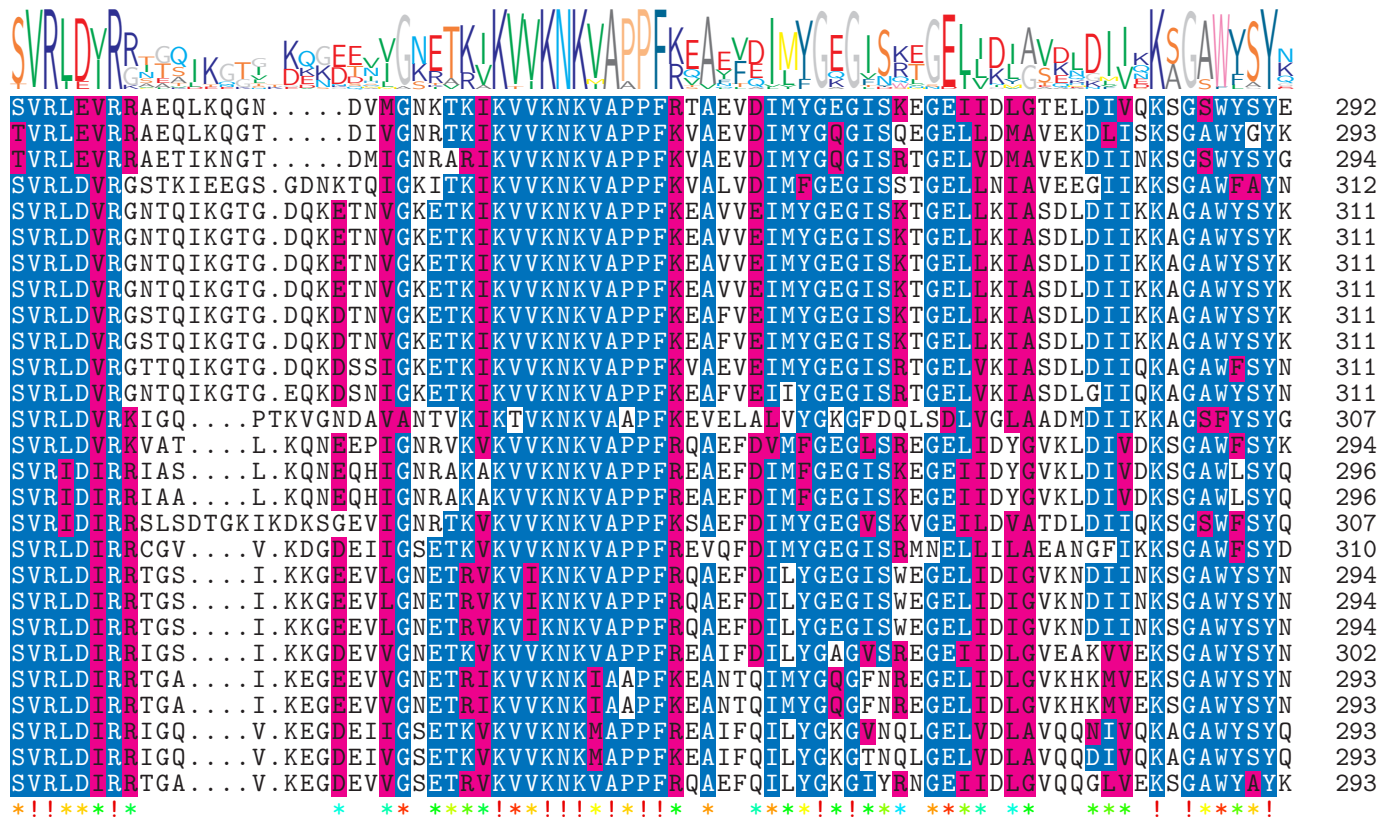
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NTDB id 194 SPR RS08825 WP 001085462.1  
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consensus



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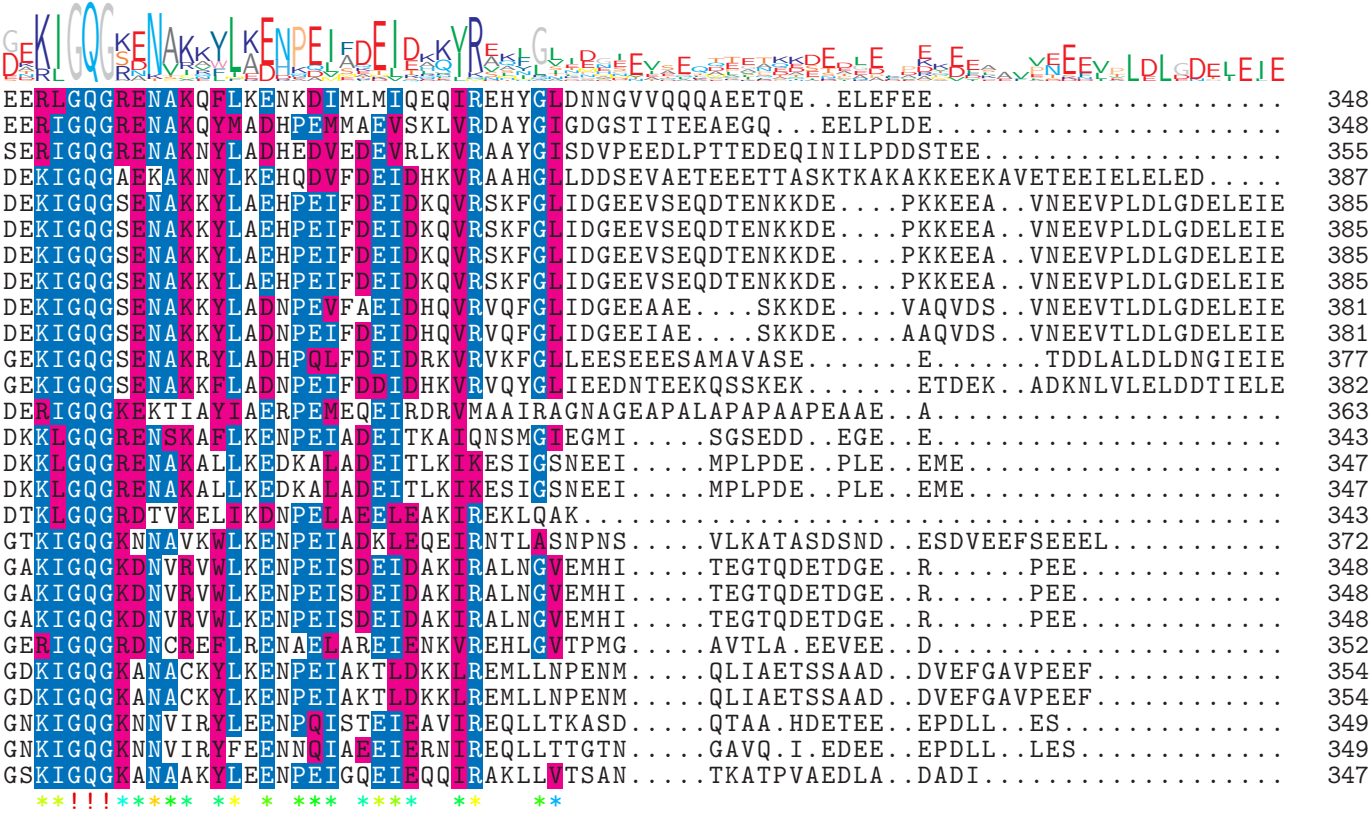


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| NTDB id 228 SPD RS09265 WP 001085462.1       | IEE | 388 |  |
| NTDB id 194 SPR RS08825 WP 001085462.1       | IEE | 388 |  |
| NTDB id 159 SP RS09750 WP 001085462.1        | IEE | 388 |  |
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| consensus                                    |     |     |  |

- non conserved
- similar
- ≥ 50% conserved