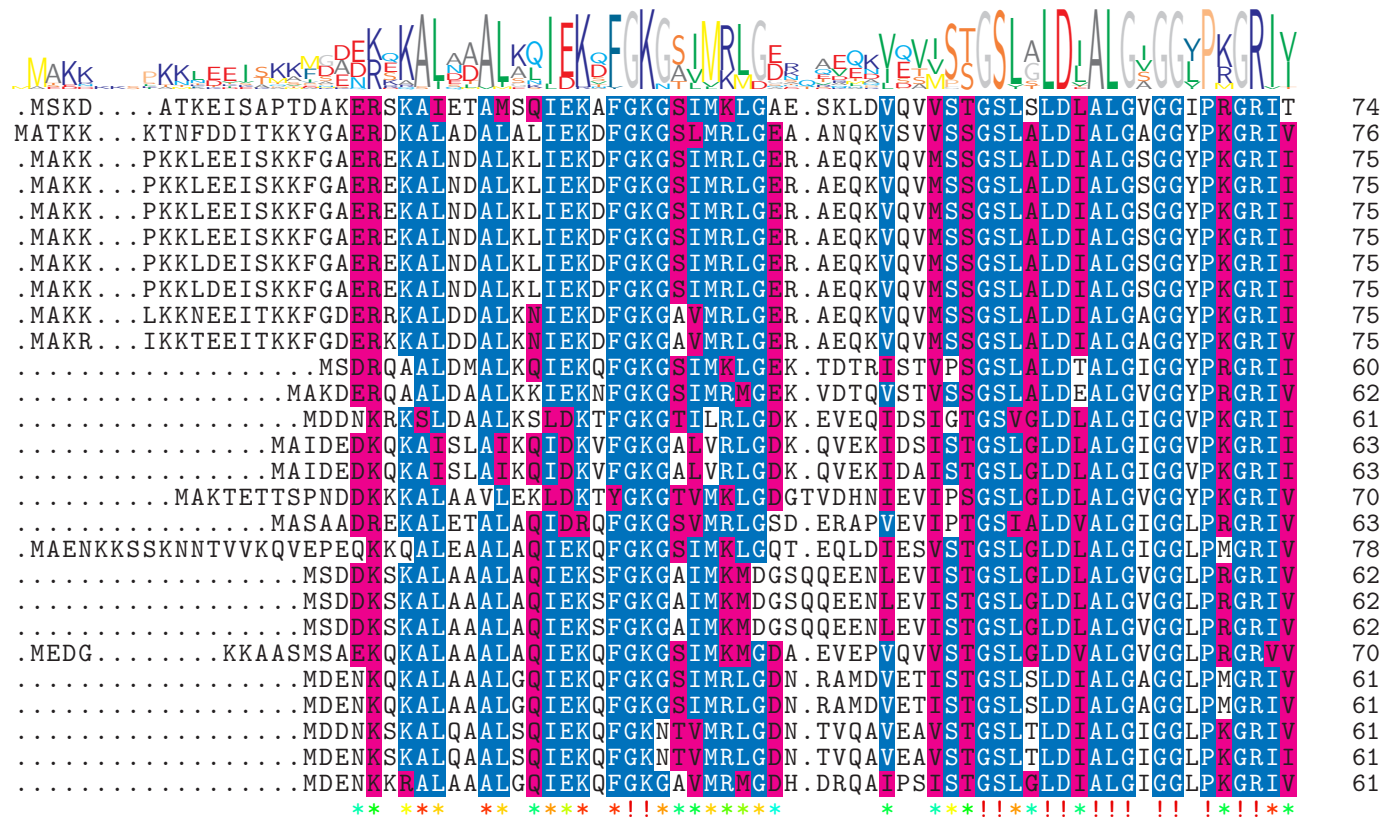


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consensus

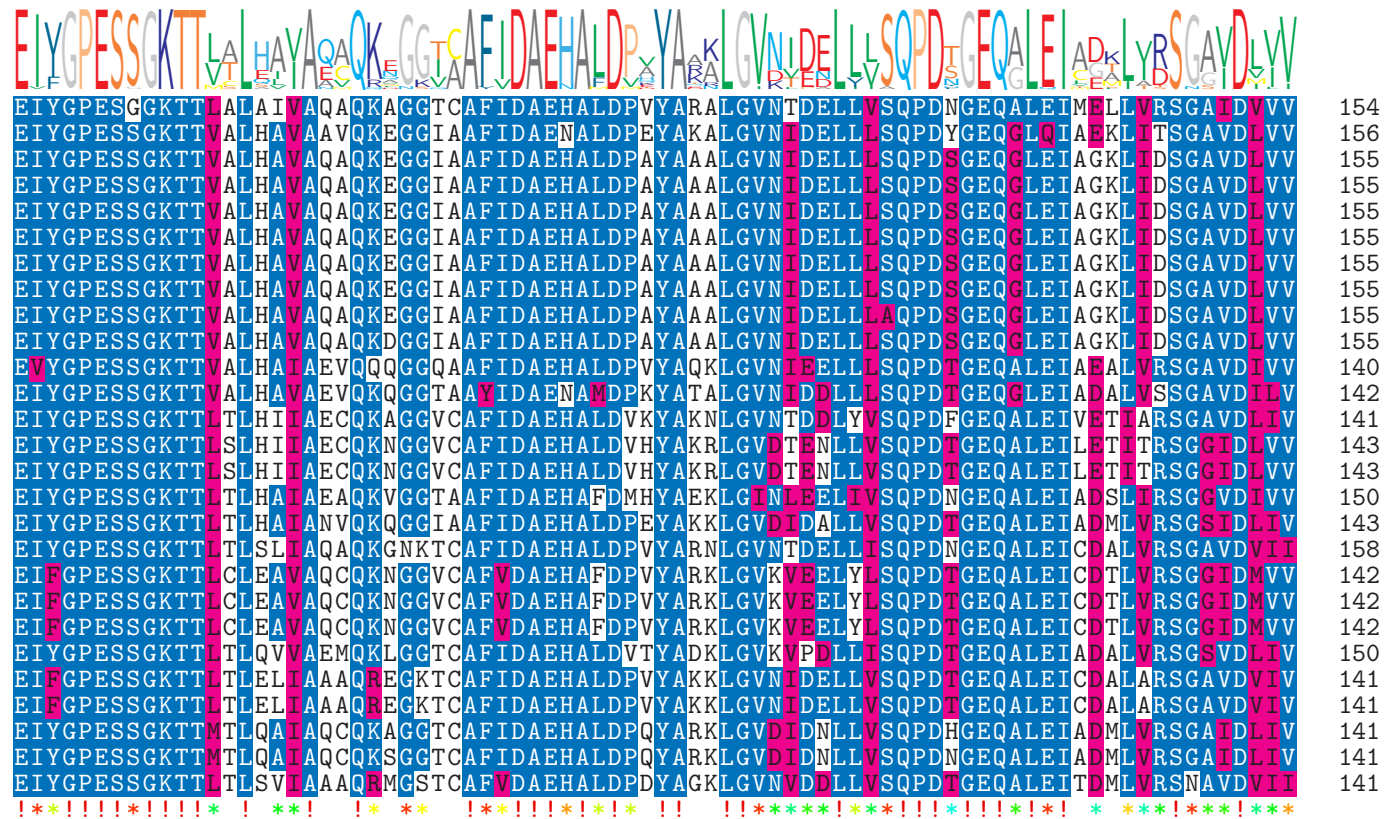
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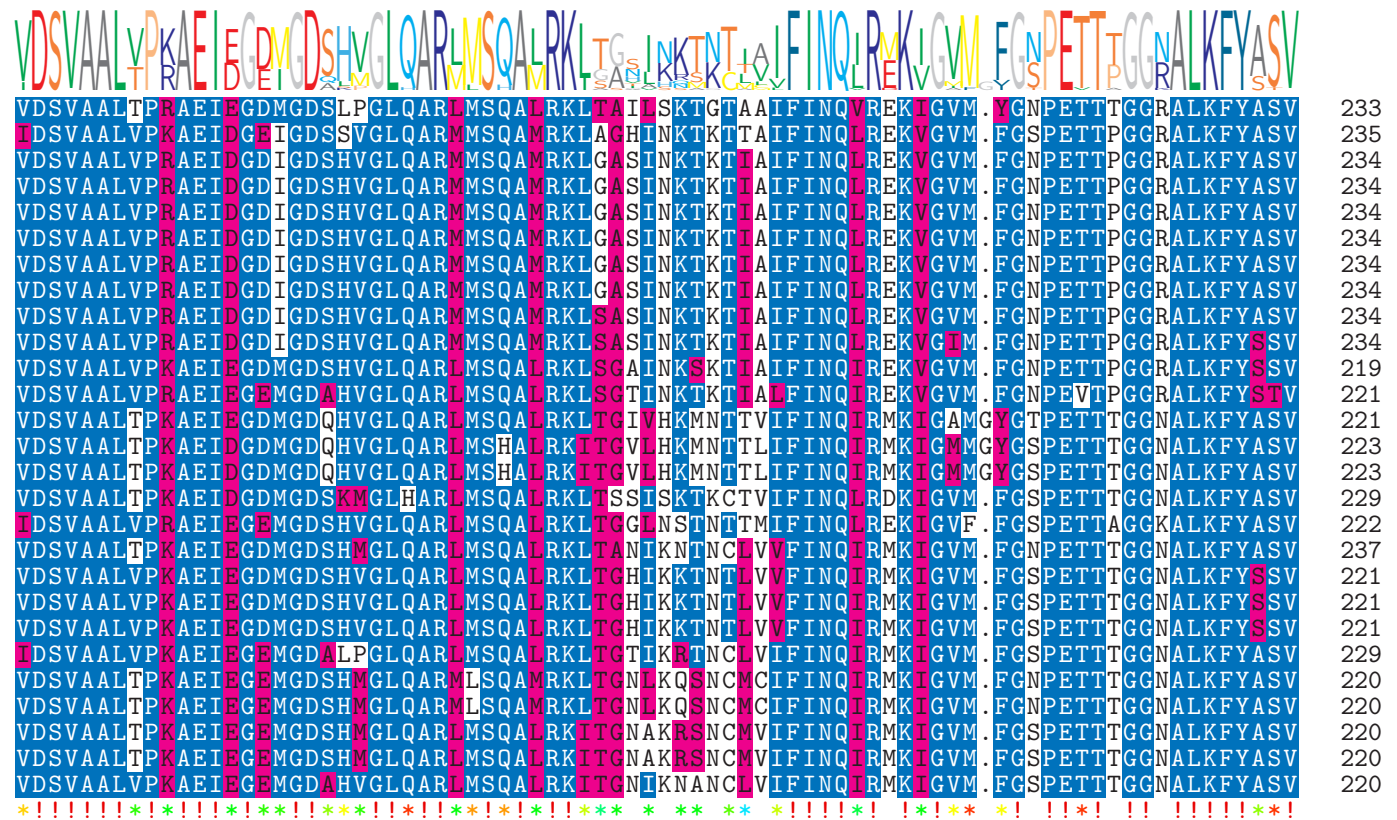
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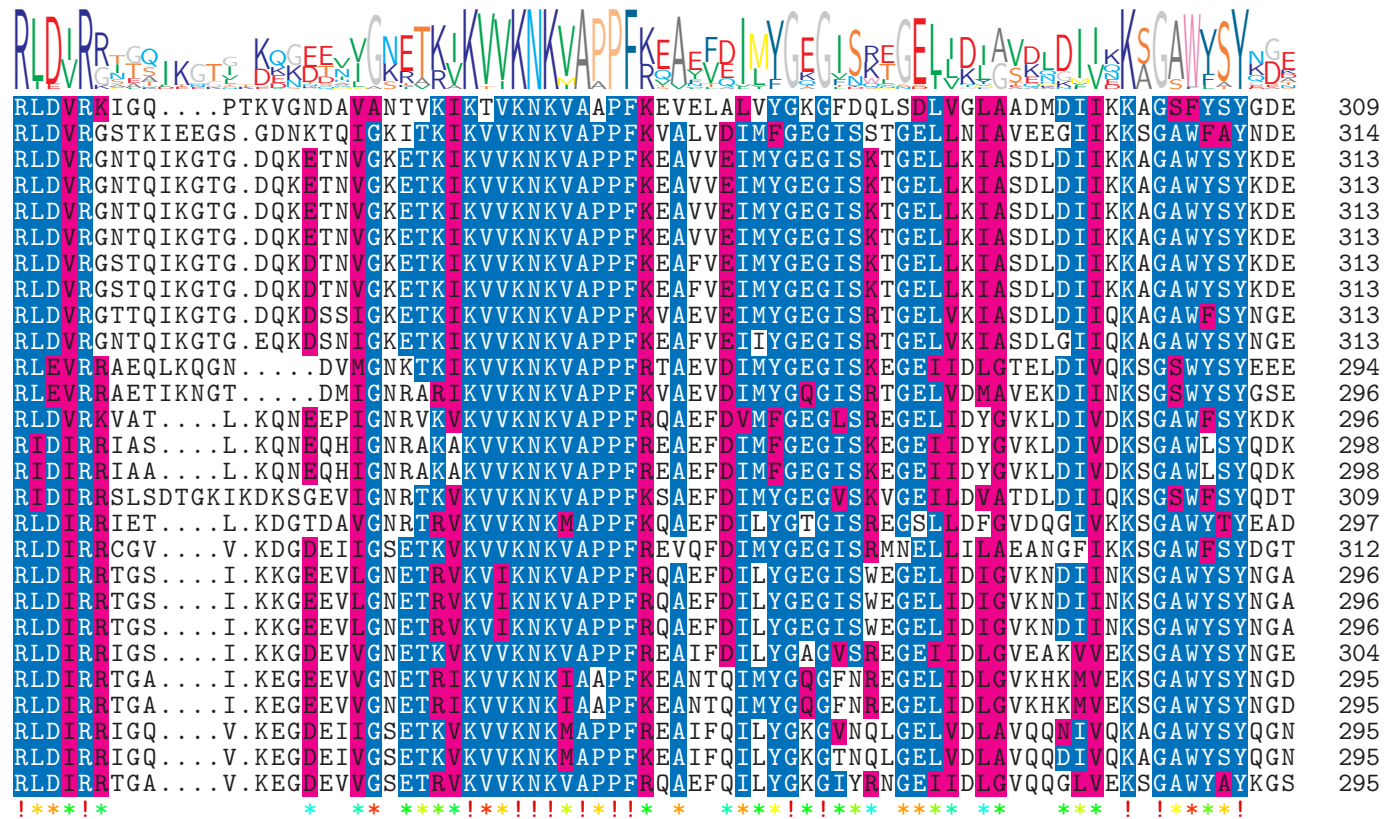
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consensus

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|-----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1313 DR RS12030 WP 010888966.1        | RIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPA.....APEAAEA.....                  | 363 |
| NTDB id 600 KW2 RS01765 WP 011675413.1        | KIGQGAEKAKNYLKEHQDVFEIDHKVRAAHGLDDSEVAETEEETTASHTKAKAKKEEKAVETEEIELELED.....      | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1      | KIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE   | 387 |
| NTDB id 228 SPD RS09265 WP 001085462.1        | KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE  | 387 |
| NTDB id 194 SPR RS08825 WP 001085462.1        | KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE  | 387 |
| NTDB id 159 SP RS09750 WP 001085462.1         | KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE  | 387 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1    | KIGQGSSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAE....SKKDE....VAQVDS..VNEEVTLDLGDELEIEIE | 383 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1    | KIGQGSSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIE | 383 |
| NTDB id 453 Spy49 1753c ACI62003.1            | KIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEEESEESAMAVASE.....E.....TDDLALDLNGIEIED.      | 378 |
| NTDB id 408 SMU RS09530 WP 002262392.1        | KIGQGSSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED.   | 383 |
| NTDB id 115 BSU 16940 NP 389576.2             | RLGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNGGVVQQQAETQEEL.EFE.E.....                      | 348 |
| NTDB id 625 LCA RS02525 WP 011374196.1        | RIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....           | 355 |
| NTDB id 1245 Cj1673c YP 002345041.1           | KLGGGRENASKAFLKENPEIADEITKAIQNSMGIEGMISGSEDDEGEE.....                             | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1      | KLGGGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDEPLEE....ME.....                        | 347 |
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| NTDB id 1334 RAOC RS04870 WP 004918236.1      | KLGGGRDITVKELIKDNPELAEELEAKIREKLQAK.....                                          | 343 |
| NTDB id 302460 AURUGA1 RS05080 WP 114129156.1 | QLGGGKENSRLNFIENPAVALEIEQKILAKLGVGAAAAEAAAVEAAAT.ATEVEPDFE..AVEEVRKGA.....        | 363 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1     | KIGQGGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSN....DESDVE..EFSEEL.....           | 372 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1      | KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGD....ER.....PEE.....               | 348 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1      | KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGD....ER.....PEE.....               | 348 |
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| NTDB id 1427 RS RS02760 WP 011000510.1        | RIGQGRDNCREFLRENAREIENKVRHLGVTPMGAVTLA.EEVE....ED.....                            | 352 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1   | KIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPNMQLIAETSSAA....DDVEFG..AVPEEF.....           | 354 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1     | KIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPNMQLIAETSSAA....DDVEFG..AVPEEF.....           | 354 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1     | KIGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTA..HDETE....EEPDLL....ES.....             | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1      | KIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ..I.EDE....EEPDLL....LES.....           | 349 |
| NTDB id 1205 PSJM300 05545 AFN77183.1         | KIGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDL....ADADI.....                    | 347 |
| consensus                                     | **!!!***** * * ***** ***** * * * *                                                |     |

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| consensus                                     |   |     |   |  |

-  non conserved
-  similar
-  ≥ 50% conserved