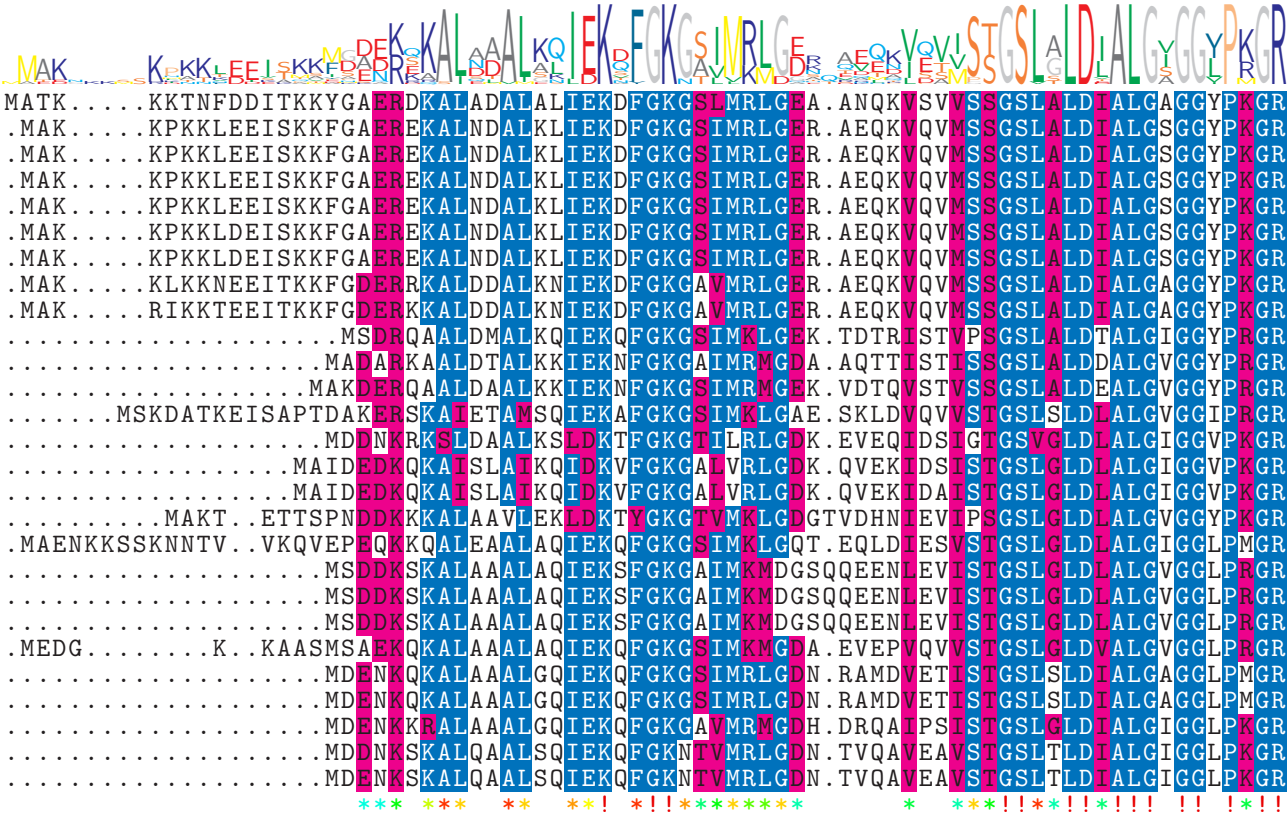


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consensus

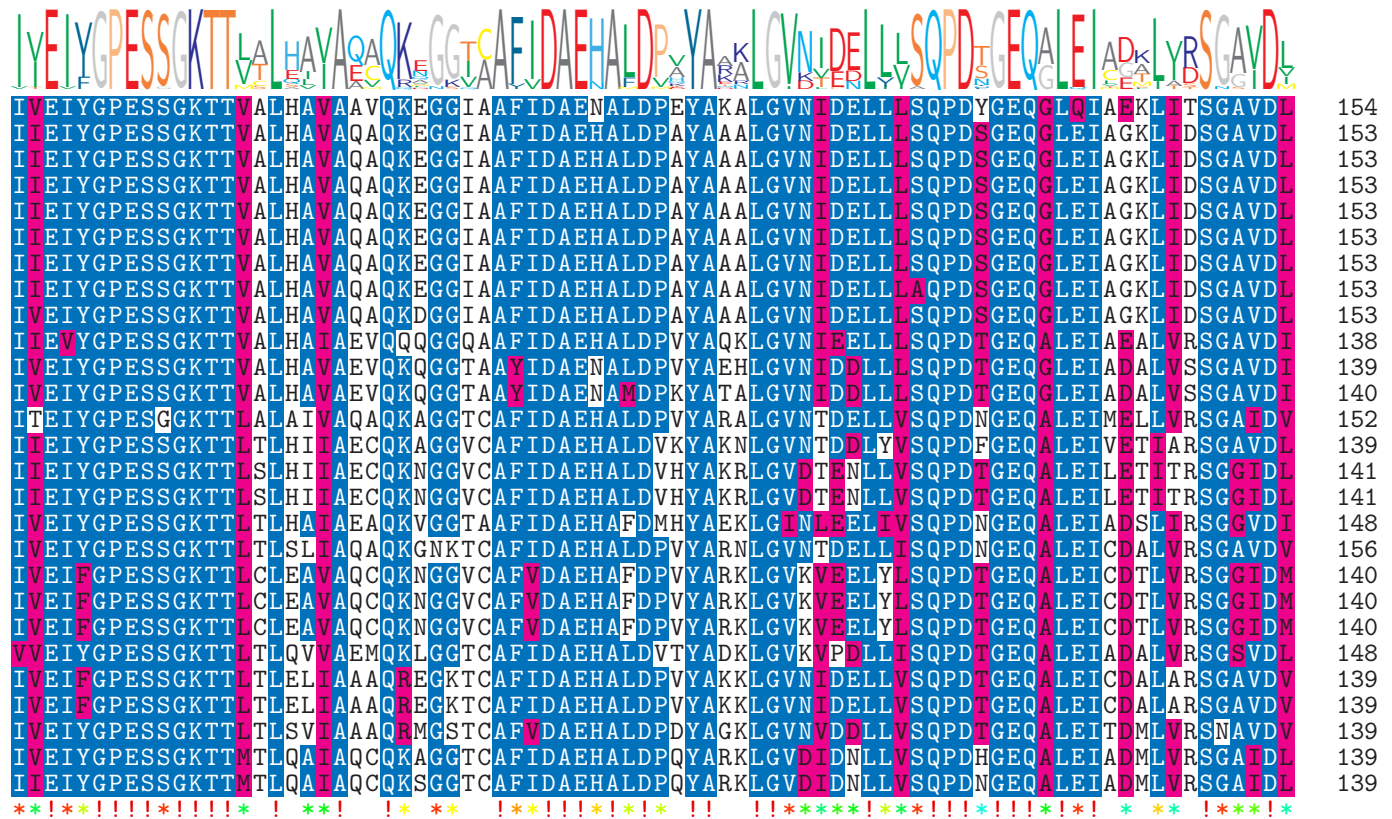


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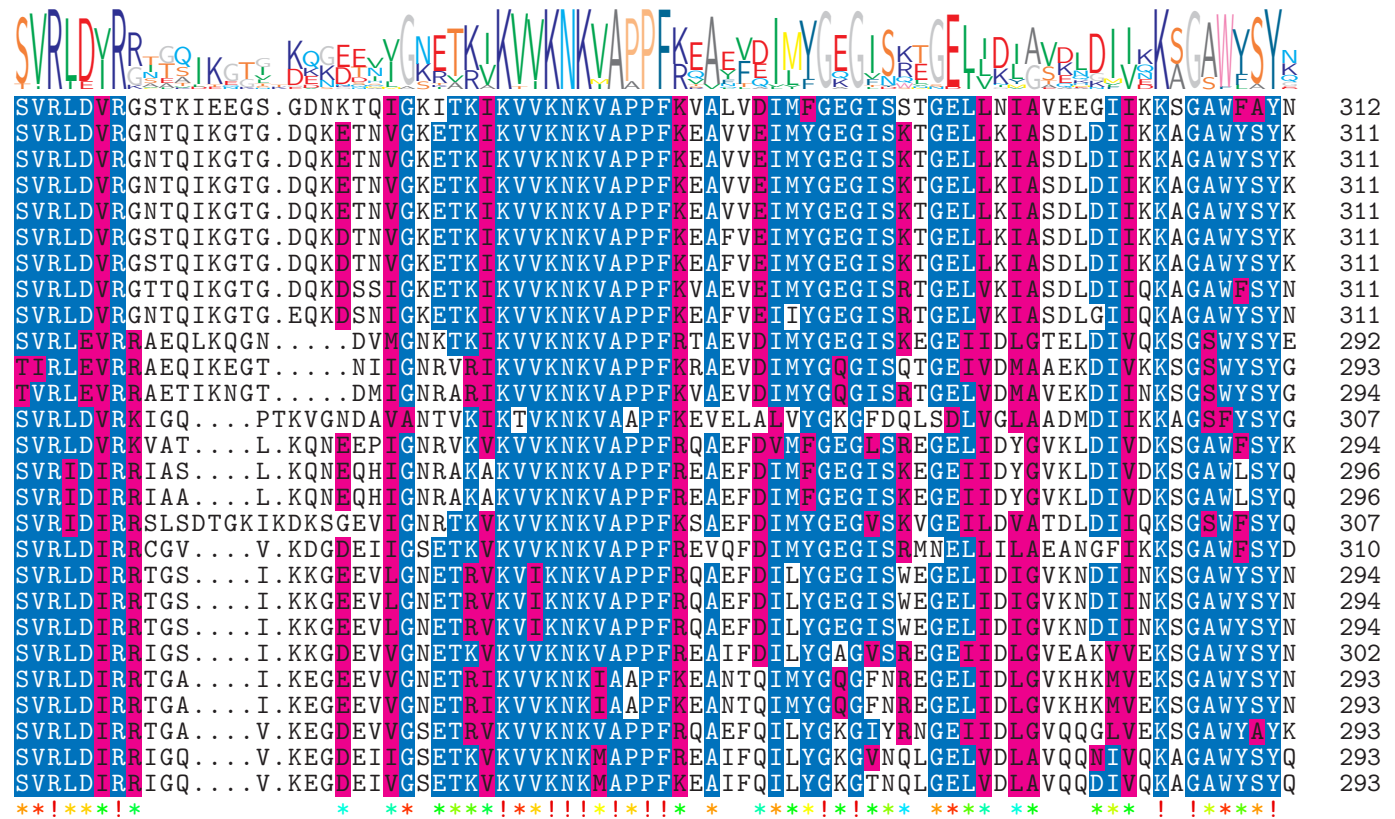


|      |    |        |           |         |             |             |         |           |         |            |            |          |          |         |           |           |         |        |       |         |         |         |     |
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| NTDB | id | 600    | KW2       | RS01765 | WP          | 011675413.1 | VV      | IDSVAALVP | PKAEI   | DGEI       | GDSSVGLQAR | MSQAMRKL | AGH      | INKTKT  | TA        | IFINQLREK | VGVM    | .FGSP  | PETTP | GGRA    | LKFYA   | 233     |     |
| NTDB | id | 269    | KZH43     | RS08665 | WP          | 001085462.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 228    | SPD       | RS09265 | WP          | 001085462.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 194    | SPR       | RS08825 | WP          | 001085462.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 159    | SP        | RS09750 | WP          | 001085462.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 527    | SMSK321   | RS11065 | WP          | 001085454.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 499    | SM12261   | RS08315 | WP          | 078228268.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | AGAS     | INKTKT  | TA        | IFINQLREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 232     |     |
| NTDB | id | 453    | Spy49     | 1753c   | ACI62003.1  | VVVDS       | VAAALVP | RAEII     | DGDI    | GDSHVGLQAR | MSQAMRKL   | SAS      | INKTKT   | TA      | IFINQLREK | VGVM      | .FGNP   | PETTP  | GGRA  | LKFYA   | 232     |         |     |
| NTDB | id | 408    | SMU       | RS09530 | WP          | 002262392.1 | VVVDS   | VAAALVP   | RAEII   | DGDI       | GDSHVGLQAR | MSQAMRKL | SAS      | INKTKT  | TA        | IFINQLREK | VGIM    | .FGNP  | PETTP | GGRA    | LKFYS   | 232     |     |
| NTDB | id | 115    | BSU       | 16940   | NP          | 389576.2    | VVVDS   | VAAALVP   | PKAEI   | EGDMG      | DGSHVGLQAR | LSQALRKL | SGAIN    | SKTIA   | IFINQIREK | VGVM      | .FGNP   | PETTP  | GGRA  | LKFYS   | 217     |         |     |
| NTDB | id | 669394 | KMY85     | RS09700 | WP          | 003641504.1 | LVVDS   | VAAALVP   | RAEII   | EGEMGD     | AHVGLQAR   | LSQALRKL | SGT      | LNKTKT  | IA        | LFINQIREK | VGVM    | .FGNP  | PETTP | GGRA    | LKFYA   | 218     |     |
| NTDB | id | 625    | LCA       | RS02525 | WP          | 011374196.1 | LVVDS   | VAAALVP   | RAEII   | EGEMGD     | AHVGLQAR   | LSQALRKL | SGT      | INKTKT  | IA        | LFINQIREK | VGVM    | .FGNP  | EVTP  | GGRA    | LKFYS   | 219     |     |
| NTDB | id | 1313   | DR        | RS12030 | WP          | 010888966.1 | VVVDS   | VAAALT    | TPRAEII | EGDMG      | DGSLPGLQAR | LSQALRKL | TAIL     | SKTGTA  | IFINQVREK | IGVM      | .YGNP   | PETTT  | GGRA  | LKFYA   | 231     |         |     |
| NTDB | id | 1245   | Cj1673c   | YP      | 002345041.1 | IVVDS       | VAAALT  | TPKAEI    | EGDMGD  | QH         | VGLQAR     | LSQALRKL | TGIV     | HKMNTTV | IFINQIR   | MKIGAM    | GYGTP   | PETTT  | GGN   | NALKFYA | 219     |         |     |
| NTDB | id | 1211   | C694      | RS00795 | WP          | 000963128.1 | VVVDS   | VAAALT    | TPKAEI  | DGDMGD     | QH         | VGLQAR   | LSH      | ALRKIT  | TGVL      | LHKMNTTL  | IFINQIR | MKIGM  | GYGSP | PETTT   | GGN     | NALKFYA | 221 |
| NTDB | id | 1214   | NCTC11637 | 00359   | SQJ03206.1  | VVVDS       | VAAALT  | TPKAEI    | DGDMGD  | QH         | VGLQAR     | LSH      | ALRKIT   | TGVL    | LHKMNTTL  | IFINQIR   | MKIGM   | GYGSP  | PETTT | GGN     | NALKFYA | 221     |     |
| NTDB | id | 1334   | RA0C      | RS04870 | WP          | 004918236.1 | VVVDS   | VAAALT    | TPKAEI  | DGDMGDS    | KMGL       | HAR      | LSQALRKL | TSS     | ISKTKCTV  | IFINQLR   | DKIGVM  | .FGSP  | PETTT | GGN     | NALKFYA | 227     |     |
| NTDB | id | 1389   | A4U84     | RS07560 | WP          | 021112712.1 | II      | IDSVAALT  | TPKAEI  | EGDMGDS    | H          | MGLQAR   | LSQALRKL | TAN     | IKNTNCL   | LV        | VFINQIR | MKIGVM | .FGNP | PETTT   | GGN     | NALKFYA | 235 |
| NTDB | id | 1130   | NGFG      | RS03960 | WP          | 003688695.1 | VVVDS   | VAAALVP   | PKAEI   | EGDMGDS    | HVGLQAR    | LSQALRKL | TGH      | IKKTNTL | V         | VFINQIR   | MKIGVM  | .FGSP  | PETTT | GGN     | NALKFYS | 219     |     |
| NTDB | id | 1124   | NGFG      | RS03960 | WP          | 003688695.1 | VVVDS   | VAAALVP   | PKAEI   | EGDMGDS    | HVGLQAR    | LSQALRKL | TGH      | IKKTNTL | V         | VFINQIR   | MKIGVM  | .FGSP  | PETTT | GGN     | NALKFYS | 219     |     |
| NTDB | id | 1123   | OK783     | RS03845 | WP          | 003688695.1 | VVVDS   | VAAALVP   | PKAEI   | EGDMGDS    | HVGLQAR    | LSQALRKL | TGH      | IKKTNTL | V         | VFINQIR   | MKIGVM  | .FGSP  | PETTT | GGN     | NALKFYS | 219     |     |
| NTDB | id | 1427   | RS        | RS02760 | WP          | 011         |         |           |         |            |            |          |          |         |           |           |         |        |       |         |         |         |     |

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consensus

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- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved