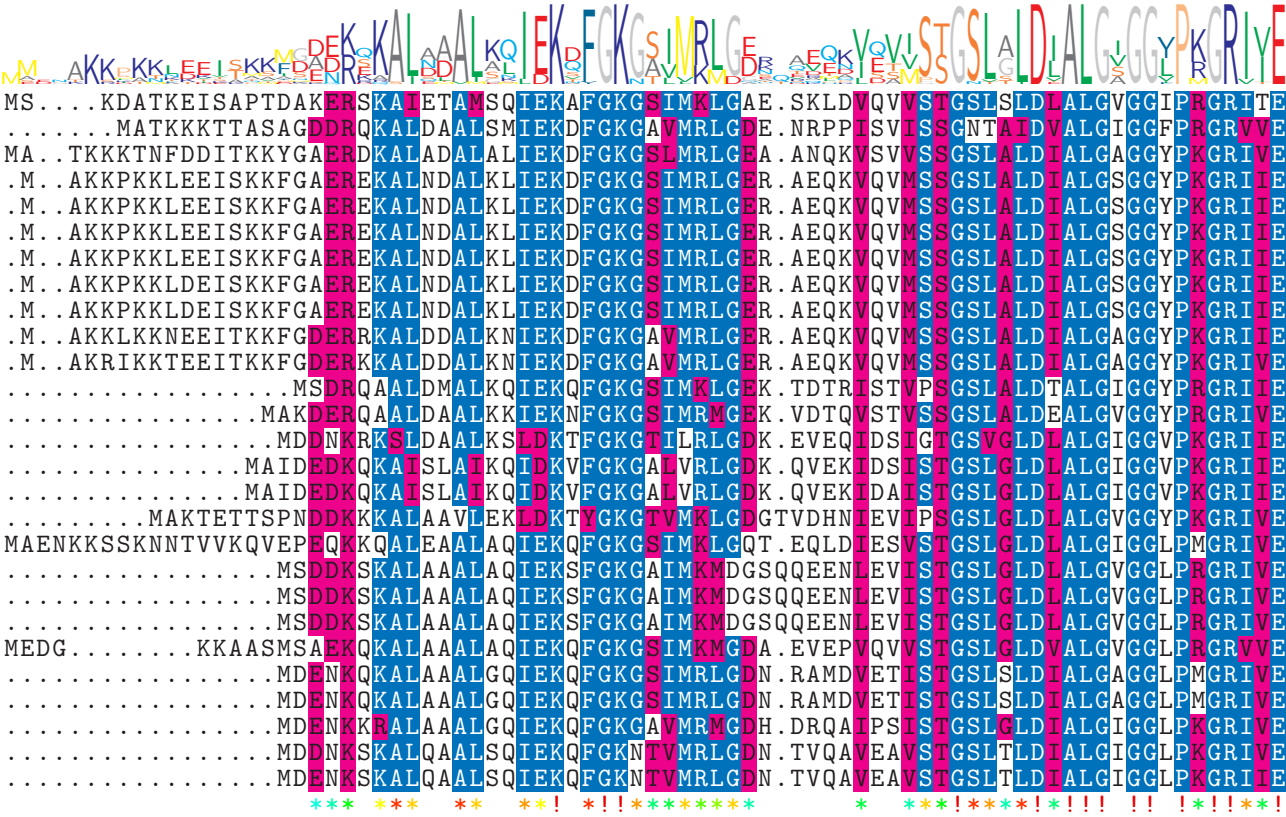


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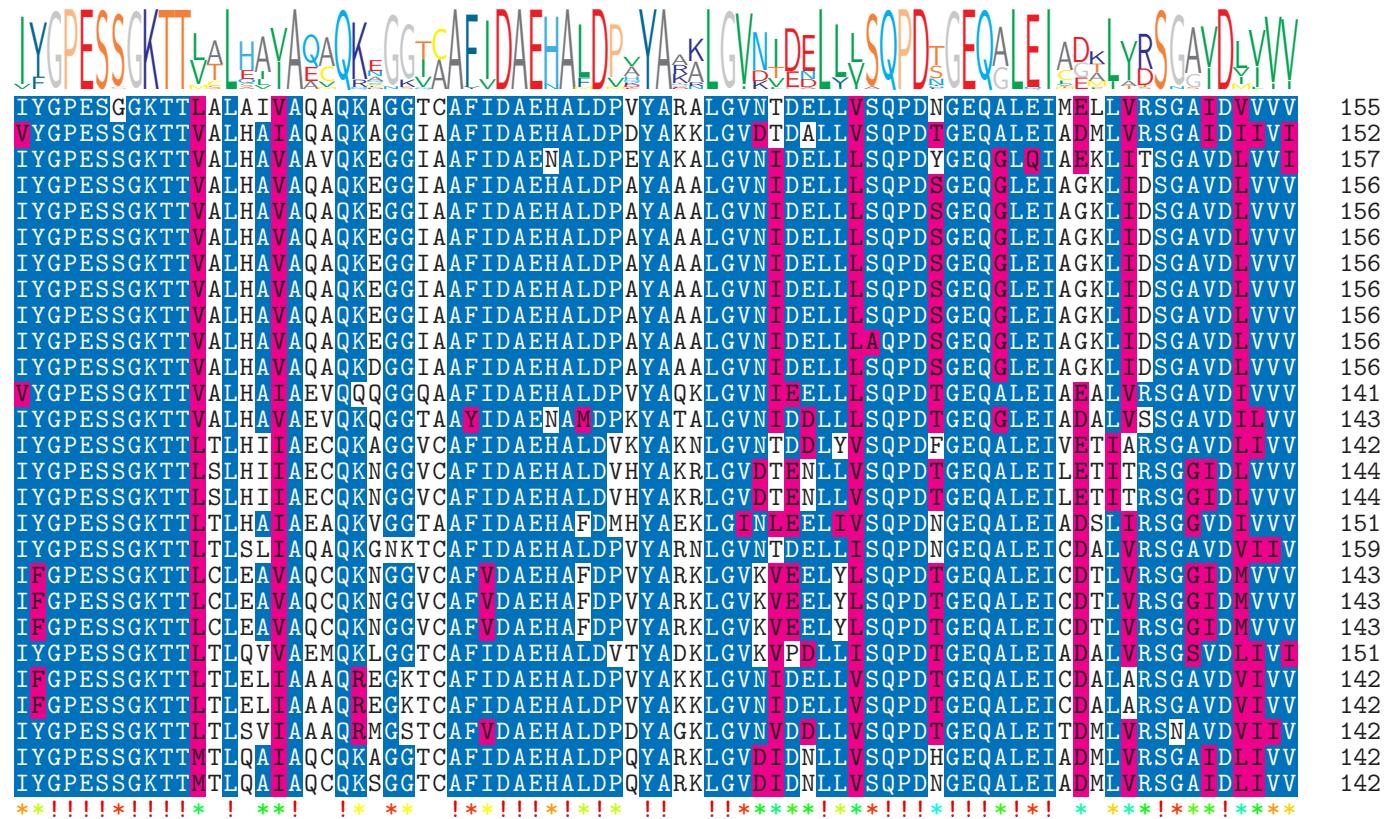


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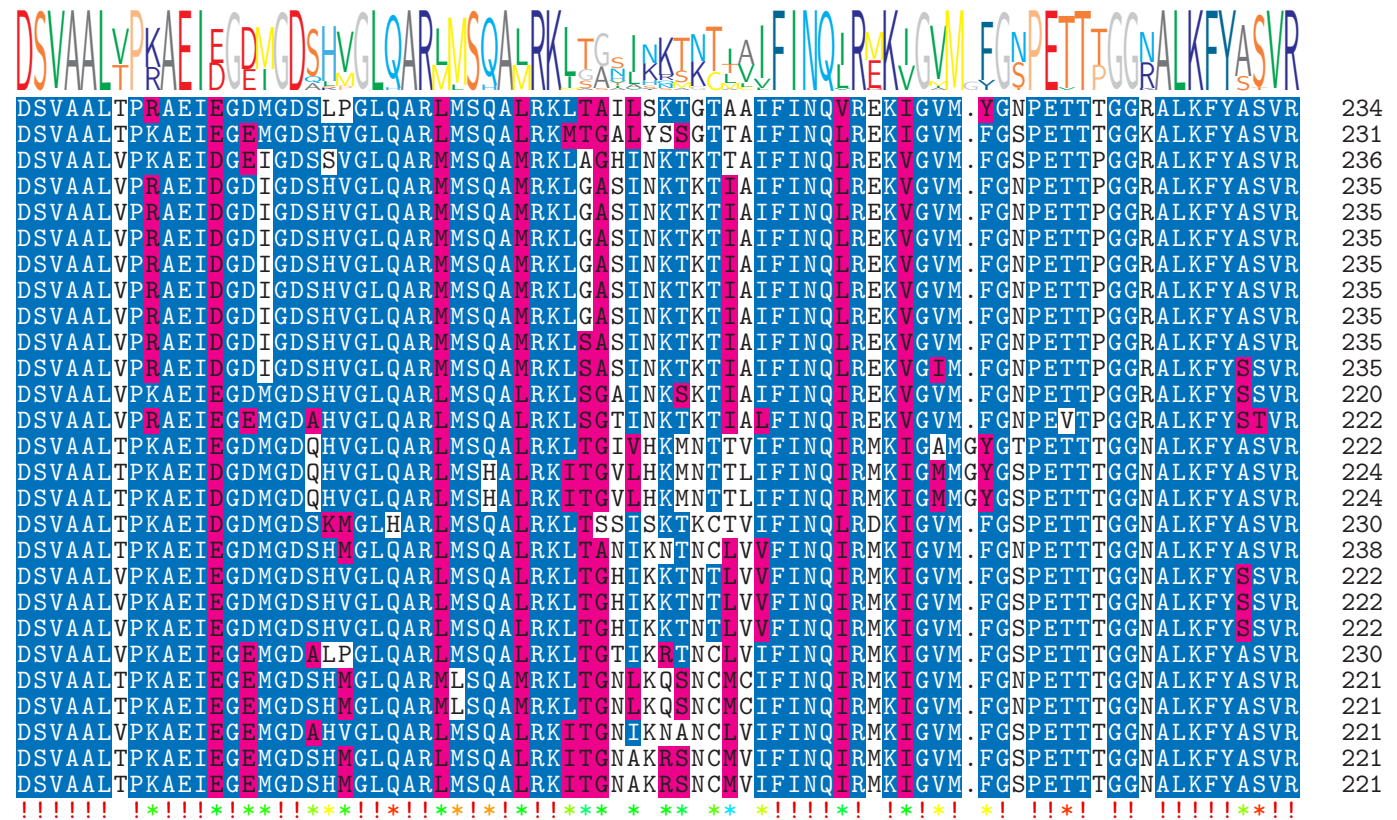
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consensus

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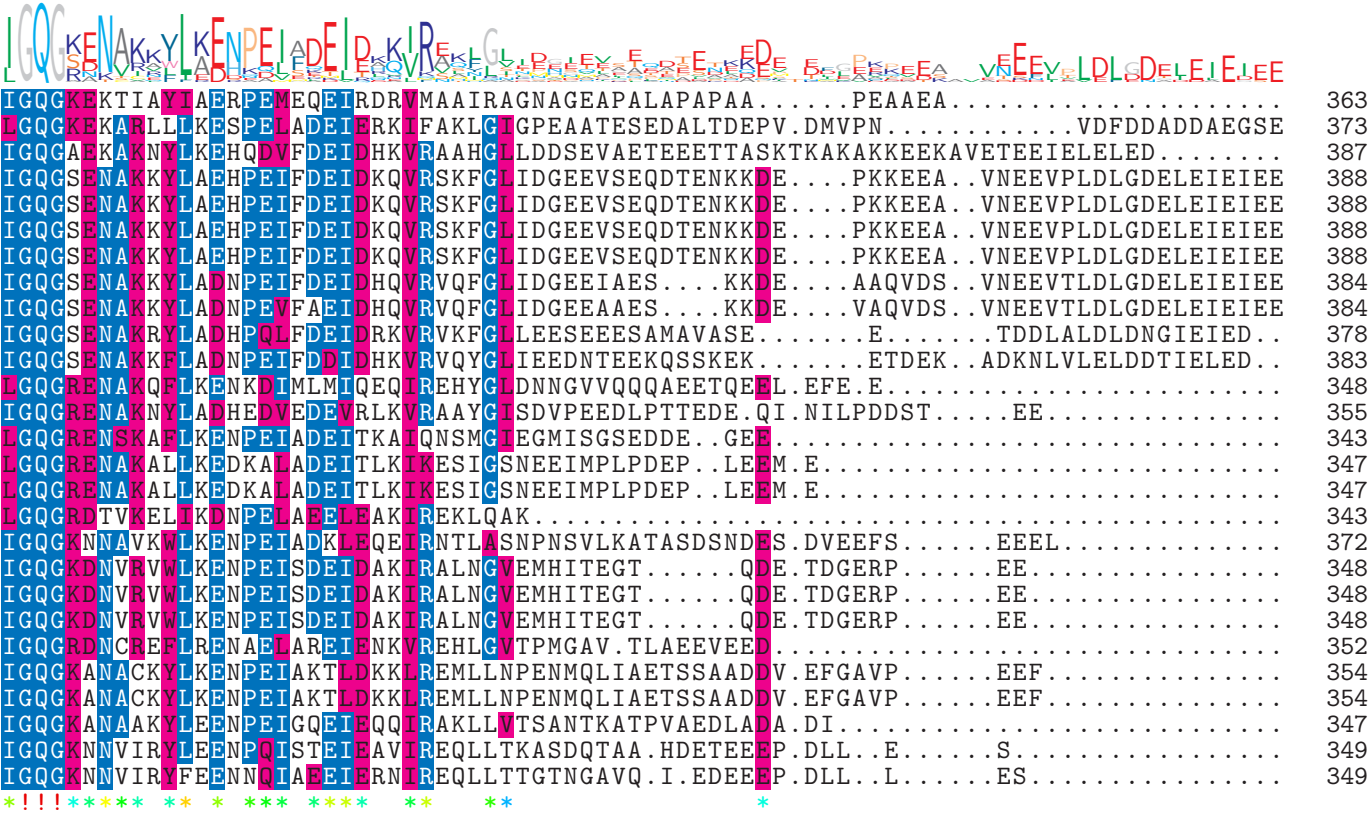
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| NTDB id 1313 DR RS12030 WP 010888966.1      | LDVRRIGQ...PTKVGND | AVANTV  | IKTVKNKVA | APFKE    | VELAL  | VYGKG | FDQLS | DLVGL | AADMD | ITKKAG        | SFYSY | GDER  | 310 |
| NTDB id 56235 A605 RS08605 WP 015401116.1   | CDVRR              | IQT     | LKD       | GQ....DA | IGNRT  | RLKVV | KNKV  | SPPF  | KVA   | EFD           | IIY   | GEGIS | 306 |
| NTDB id 600 KW2 RS01765 WP 011675413.1      | LDVRG              | STK     | IEEGS     | .GDNKT   | QIGKIT | IKVV  | KNKV  | APPF  | KVAL  | VDIM          | F     | GEGIS | 315 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1    | LDVRG              | NTQ     | IKGTG     | .DQK     | ETNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | VVE   | IMY   | 314 |
| NTDB id 228 SPD RS09265 WP 001085462.1      | LDVRG              | NTQ     | IKGTG     | .DQK     | ETNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | VVE   | IMY   | 314 |
| NTDB id 194 SPR RS08825 WP 001085462.1      | LDVRG              | NTQ     | IKGTG     | .DQK     | ETNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | VVE   | IMY   | 314 |
| NTDB id 159 SP RS09750 WP 001085462.1       | LDVRG              | NTQ     | IKGTG     | .DQK     | ETNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | VVE   | IMY   | 314 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1  | LDVRG              | STQ     | IKGTG     | .DQK     | DTNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | FVE   | IMY   | 314 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1  | LDVRG              | STQ     | IKGTG     | .DQK     | DTNVG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | FVE   | IMY   | 314 |
| NTDB id 453 Spy49 1753c ACI62003.1          | LDVRG              | TTQ     | IKGTG     | .DQK     | DSSIG  | KETK  | IKVV  | KNKV  | APPF  | KVA           | EVE   | IMY   | 314 |
| NTDB id 408 SMU RS09530 WP 002262392.1      | LDVRG              | NTQ     | IKGTG     | .EQK     | DSNIG  | KETK  | IKVV  | KNKV  | APPF  | KEA           | FVE   | IIY   | 314 |
| NTDB id 115 BSU 16940 NP 389576.2           | LEVRR              | AEQ     | LKQGN     | .....D   | VMGN   | KTKIK | VVKN  | KVAPP | FR    | TAE           | VD    | IMY   | 295 |
| NTDB id 625 LCA RS02525 WP 011374196.1      | LEVRR              | AET     | IKNGT     | .....D   | MIGN   | RARI  | KVV   | KNKV  | APPF  | KVA           | EVD   | IMY   | 297 |
| NTDB id 1245 Cj1673c YP 002345041.1         | LDVRK              | VAT...  | L.KQNE    | EP       | IGNR   | VKV   | VVKN  | KVAPP | FR    | QAE           | F     | D     | 297 |
| NTDB id 1211 C694 RS00795 WP 000963128.1    | IDIRRI             | AS....L | .KQNE     | QH       | IGNR   | AKA   | KVV   | KNKV  | APPF  | FR            | EAE   | F     | 299 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1     | IDIRRI             | AA....L | .KQNE     | QH       | IGNR   | AKA   | KVV   | KNKV  | APPF  | FR            | EAE   | F     | 299 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1    | IDIRRS             | LS      | DTG       | KIKDKS   | GEVIGN | RTKV  | VVKN  | KVAPP | FKS   | AEF           | D     | IMY   | 310 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1   | LDIRRC             | GV....V | .KDG      | DEI      | IGSE   | TKV   | VVKN  | KVAPP | FR    | EVQ           | F     | D     | 313 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1    | LDIRRT             | GS....I | .KKG      | EEVL     | GNET   | RVKV  | IKNK  | VAPP  | FR    | QAE           | F     | D     | 297 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1    | LDIRRT             | GS....I | .KKG      | EEVL     | GNET   | RVKV  | IKNK  | VAPP  | FR    | QAE           | F     | D     | 297 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1   | LDIRRT             | GS....I | .KKG      | EEVL     | GNET   | RVKV  | IKNK  | VAPP  | FR    | QAE           | F     | D     | 297 |
| NTDB id 1427 RS RS02760 WP 011000510.1      | LDIRRI             | GS....I | .KKG      | DEV      | VGNE   | TKV   | VVKN  | KVAPP | FR    | EAI           | F     | D     | 305 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | LDIRRT             | GA....I | .KEG      | EEV      | VGN    | ETRI  | KVV   | KNK   | IA    | APF           | KE    | ANT   | 296 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1   | LDIRRT             | GA....I | .KEG      | EEV      | VGN    | ETRI  | KVV   | KNK   | IA    | APF           | KE    | ANT   | 296 |
| NTDB id 1205 PSJM300 05545 AFN77183.1       | LDIRRT             | GA....V | .KEG      | DEV      | VGSE   | TRV   | KVV   | KNKV  | APP   | FR            | QAE   | F     | 296 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1   | LDIRRI             | GQ....V | .KEG      | DEI      | IGSE   | TKV   | VVKN  | KM    | APP   | FR            | EAI   | F     | 296 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1    | LDIRRI             | GQ....V | .KEG      | DEI      | IGSE   | TKV   | VVKN  | KM    | APP   | FR            | EAI   | F     | 296 |
| consensus                                   | ***!*              |         |           |          | *      | *     | *     | *     | *     | *****!*****!* | *     | *     |     |



logo

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consensus



logo

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

-  non conserved
-  similar
-  ≥ 50% conserved