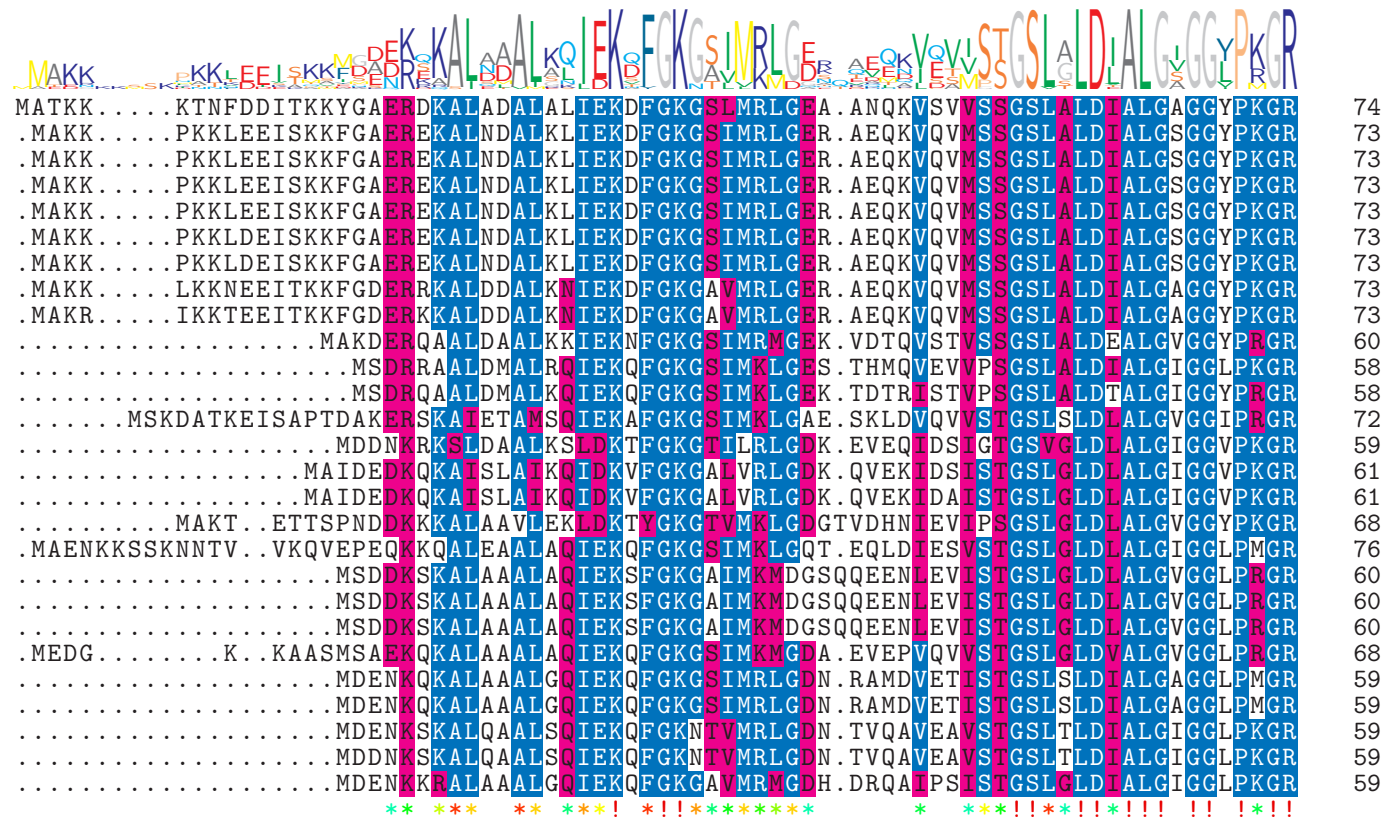


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consensus

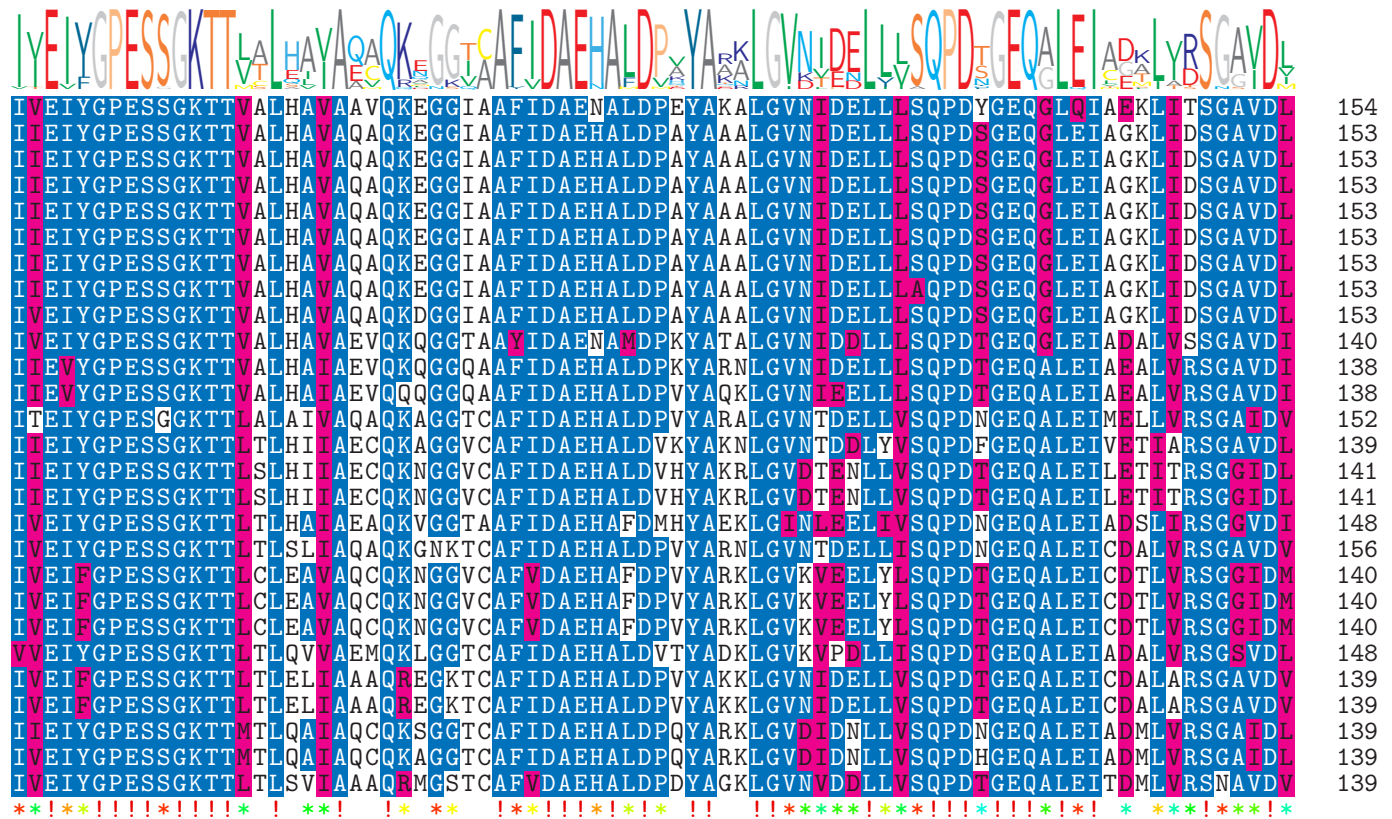
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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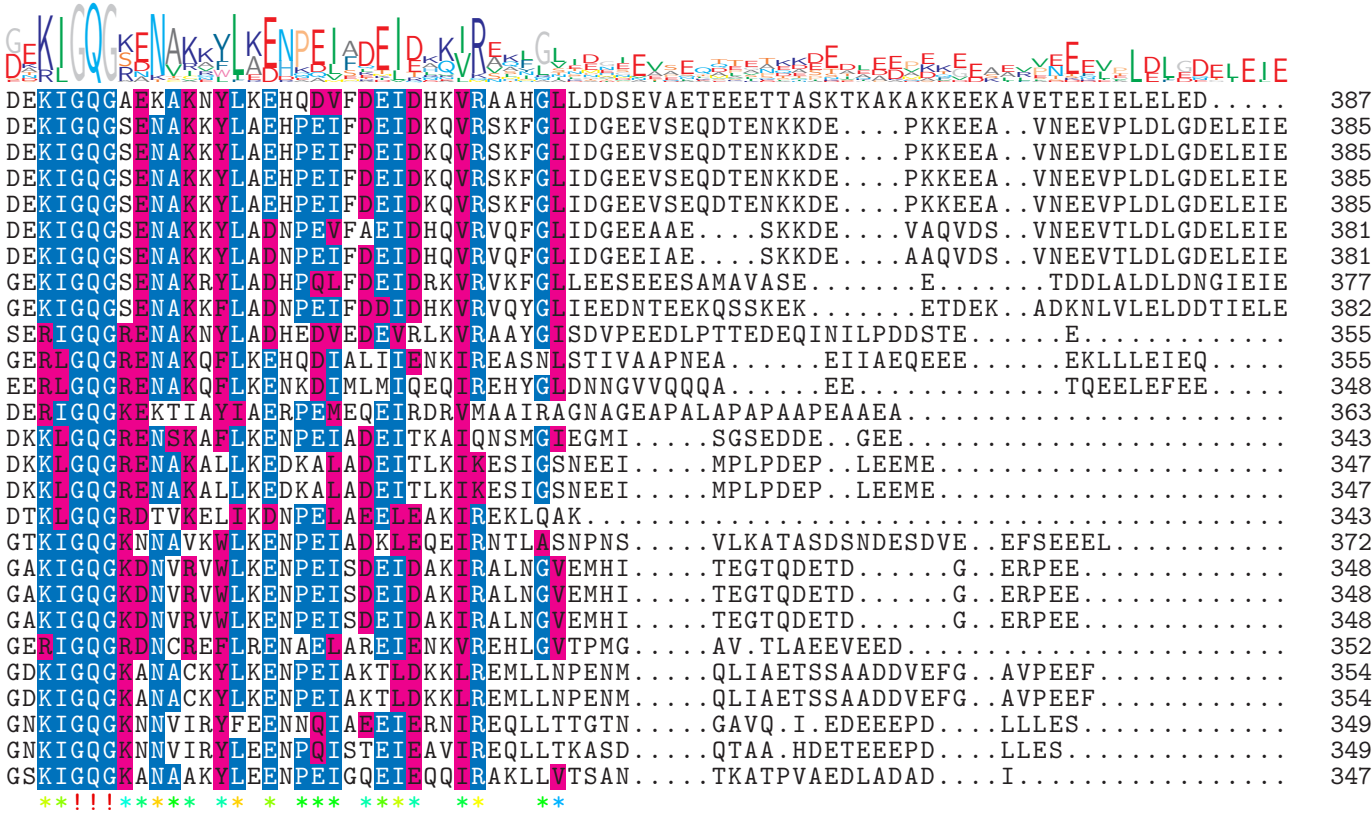


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| NTDB id 269 KZH43 RS08665 WP 001085462.1    | SVRLDVRGNTQIKGTG.DQKETN  | VGKETKIKVVKNKVAPPFK  | EAVVEIMYEGEGISKTGELL  | KIASDLDIKKAGAWYSYK      | 311           |
| NTDB id 228 SPD RS09265 WP 001085462.1      | SVRLDVRGNTQIKGTG.DQKETN  | VGKETKIKVVKNKVAPPFK  | EAVVEIMYEGEGISKTGELL  | KIASDLDIKKAGAWYSYK      | 311           |
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| NTDB id 159 SP RS09750 WP 001085462.1       | SVRLDVRGNTQIKGTG.DQKETN  | VGKETKIKVVKNKVAPPFK  | EAVVEIMYEGEGISKTGELL  | KIASDLDIKKAGAWYSYK      | 311           |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1  | SVRLDVRGSTQIKGTG.DQKDTN  | VGKETKIKVVKNKVAPPFK  | EAFVEIMYEGEGISKTGELL  | KIASDLDIKKAGAWYSYK      | 311           |
| NTDB id 499 SM12261 RS08315 WP 078228268.1  | SVRLDVRGSTQIKGTG.DQKDTN  | VGKETKIKVVKNKVAPPFK  | EAFVEIMYEGEGISKTGELL  | KIASDLDIKKAGAWYSYK      | 311           |
| NTDB id 453 Spy49 1753c ACI62003.1          | SVRLDVRGTTQIKGTG.DQKDS   | IGKETKIKVVKNKVAPPFK  | VAEVEIMYEGEGISRTGEL   | VKIASDLDIQKAGAWFSYN     | 311           |
| NTDB id 408 SMU RS09530 WP 002262392.1      | SVRLDVRGNTQIKGTG.EQKDSN  | IGKETKIKVVKNKVAPPFK  | EAFVEIIMYEGEGISRTGEL  | VKIASDLGIQKAGAWYSYN     | 311           |
| NTDB id 625 LCA RS02525 WP 011374196.1      | TVRLEVRRRAETIKNGT.....DM | IGNRARIKVVKNKVAPPFK  | VAEVDIMYGGGISRTGEL    | VDMAVEKDIINKSGSWYSYG    | 294           |
| NTDB id 969866 MHI27 RS18890 WP 042128809.1 | SVRLDVRRVESIKMGN.....DV  | GNRTKIKIVKNKVAPPFK   | QADVDIMYEGEGISREGSL   | VDIGTEMDIVNKSGAWYSYE    | 292           |
| NTDB id 115 BSU 16940 NP 389576.2           | SVRLEVRRRAEQLKQGN.....DV | MGNKTKIKVVKNKVAPPFK  | RTAEVDIMYEGEGISKEGE   | ITIDLGTELDIVQKSGSWYSYE  | 292           |
| NTDB id 1313 DR RS12030 WP 010888966.1      | SVRLDVRKIGQ....PTKVGND   | AVANTVKIKTVKNKVAAPFK | EVELALVYGKGFQDQLSD    | LDVGLAADMDIINKAGSFYSYG  | 307           |
| NTDB id 1245 Cj1673c YP 002345041.1         | SVRLDVRKVAT....L.KQNEEP  | IGNRVKVVKNKVAPPFR    | QAEFDVMFGEGLSREGEL    | IDYGVKLDIVDKSGAWFSYK    | 294           |
| NTDB id 1211 C694 RS00795 WP 000963128.1    | SVRIDIRRIAS....L.KQNEQH  | IGNRAKAKVVKNKVAPPFR  | EAEFDDIMFGEGISKEGE    | ITIDYGVKLDIVDKSGAWLSYQ  | 296           |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1     | SVRIDIRRIAA....L.KQNEQH  | IGNRAKAKVVKNKVAPPFR  | EAEFDDIMFGEGISKEGE    | ITIDYGVKLDIVDKSGAWLSYQ  | 296           |
| NTDB id 1334 RAOC RS04870 WP 004918236.1    | SVRIDIRRLSDTGKIKDKSGEV   | IGNRTKVVVKNKVAPPFK   | SAEFDDIMYEGEGVSKVGE   | ILDVATDLDIQKSGSWFSYQ    | 307           |
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| NTDB id 1124 NGFG RS03960 WP 003688695.1    | SVRLDIRRTGS....I.KKGEV   | LGNETRVKVIKNKVAPPFR  | QAEFDILYEGEGISWEGEL   | IDIGVKNDIINKSGAWYSYN    | 294           |
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| NTDB id 1427 RS RS02760 WP 011000510.1      | SVRLDIRRIGS....I.KKGEV   | VGNETKVVVKNKVAPPFR   | EAIFFDILYGAGVSREGE    | IIDLGVEAKVVEKSGAWYSYN   | 302           |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | SVRLDIRRTGA....I.KEGEEV  | VGNETRIKVVKNKIAAPFK  | EANTQIMYGGGFNREGEL    | IDLGVKHKMVEKSGAWYSYN    | 293           |
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| NTDB id 1022 ACIAD RS06390 WP 004925639.1   | SVRLDIRRIGQ....V.KEGDEI  | IGSETKVVKNKMAPPFK    | EAIFFQILYGKGVNQLGEL   | VDLAVQQNIVQKAGAWYSYQ    | 293           |
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| consensus                                   | *!!***!* *               | * **                 | *****!*****!*****!*   | * *****!*!***** ***** * | *** ! !*****! |

logo

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NTDB id 269 KZH43 RS08665 WP 001085462.1  
NTDB id 228 SPD RS09265 WP 001085462.1  
NTDB id 194 SPR RS08825 WP 001085462.1  
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NTDB id 1022 ACIAD RS06390 WP 004925639.1  
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consensus



logo

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

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 ≥ 50% conserved