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|----------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 601 KW2 RS02615 WP 021036805.1       | .....MTCQNCMINEA.....                                                             | 11 |
| NTDB id 281 KZH43 RS03550 WP 000882517.1     | .....MTCQNCKINDS.....                                                             | 11 |
| NTDB id 245 SPD RS03860 WP 000882517.1       | .....MTCQNCKINDS.....                                                             | 11 |
| NTDB id 243 SPR RS03635 WP 000882517.1       | .....MTCQNCKINDS.....                                                             | 11 |
| NTDB id 241 SP RS04015 WP 000882523.1        | .....MTCQNCKINDS.....                                                             | 11 |
| NTDB id 1128475 FQT45 RS02765 WP 077322040.1 | .....MTCQNCKINEA.....                                                             | 11 |
| NTDB id 378 SMU RS02690 WP 002263569.1       | .....MTCQNCKINEA.....                                                             | 11 |
| NTDB id 85 BSU 00860 NP 387967.1             | ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGGTAAKALQALGLGSEKIQKEVESLIG.....R      | 70 |
| NTDB id 610 V4T04 RS10165 WP 012897346.1     | MKFENIKYTPTLDRILEKAEYYAHQYQYGTIESAHLLEAMATTSGSLAYSLLAGMNVDSDDLIDL.....EDLSSH      | 72 |
| NTDB id 290 KZH43 RS10025 WP 001109677.1     | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS  | 70 |
| NTDB id 289 SPD RS10700 WP 001109677.1       | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS  | 70 |
| NTDB id 287 SP RS11210 WP 001109712.1        | .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS  | 70 |
| NTDB id 377 SMU RS09275 WP 002262344.1       | ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRVFEDYQAAAAILAIGKKPKSSS | 76 |
| NTDB id 297 STER RS00545 WP 011680614.1      | ....MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS | 76 |
| NTDB id 329 STU RS10020 WP 011225298.1       | ....MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS | 76 |
| consensus                                    | .....**.....*                                                                     |    |

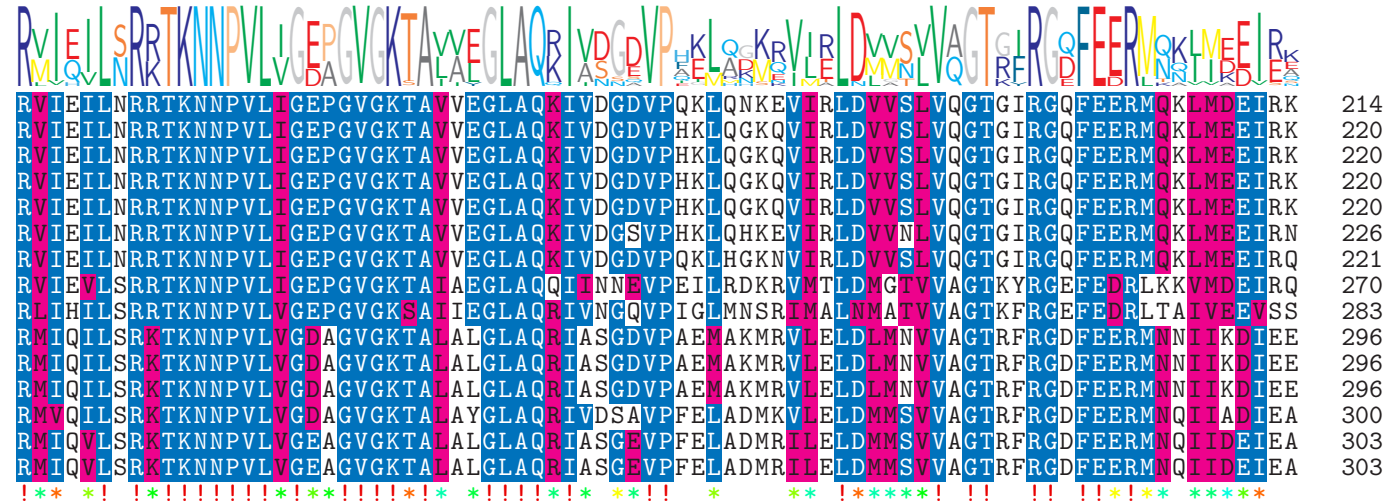
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| NTDB id 245 SPD RS03860 WP 000882517.1       | ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGMTDLNMRDF.....DPFGDFFNDLNNF             | 69  |
| NTDB id 243 SPR RS03635 WP 000882517.1       | ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGMTDLNMRDF.....DPFGDFFNDLNNF             | 69  |
| NTDB id 241 SP RS04015 WP 000882523.1        | ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGMTDLNMRDF.....DPFGDFFNDLNNF             | 69  |
| NTDB id 1128475 FQT45 RS02765 WP 077322040.1 | ...SIHLYANVNGTQKQIDLCQNCYQIM...KTDANNSILGMRSKSQNQND.....SLNPLFDDFFGDNNF           | 73  |
| NTDB id 378 SMU RS02690 WP 002263569.1       | ...TIHLYANVNGQKQKQIDLCQNCYQIM...KTDPENGPLN...HLSQQNSS.....SINPFFDDFFGDNNF         | 70  |
| NTDB id 85 BSU 00860 NP 387967.1             | GQEMSQTIHYTPRAKKVIELSMDEARKLGHSYVCTEHIILLGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....     | 141 |
| NTDB id 610 V4T04 RS10165 WP 012897346.1     | VKVKRSTLRFSPRAEIVMTAASFLAIHNNSEAVCTEHLIYALLQVEDGFGQLQLKL.....QKINIVSLRKELEKR      | 143 |
| NTDB id 290 KZH43 RS10025 WP 001109677.1     | QDETFTTELPFSRRLQILFDEAEYVASVVHAKVLCTEHLVYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEER | 150 |
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| NTDB id 329 STU RS10020 WP 011225298.1       | ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGESEHVLMAFILHKLDMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERN | 156 |
| consensus                                    | ** * * * * * * * * * * * * * *                                                    |     |

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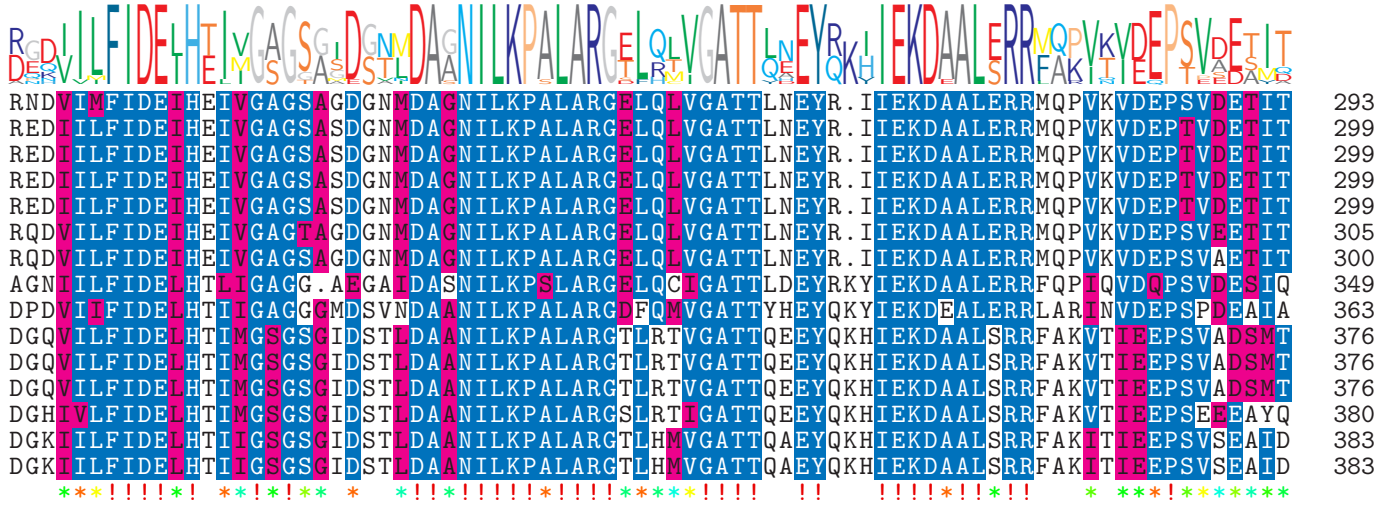
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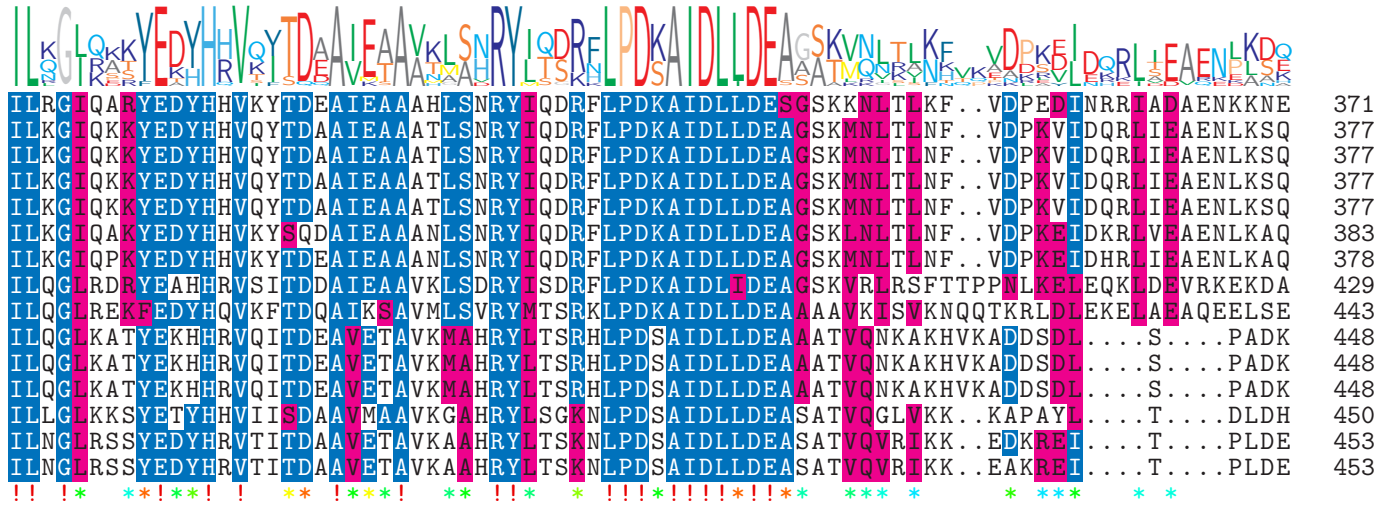
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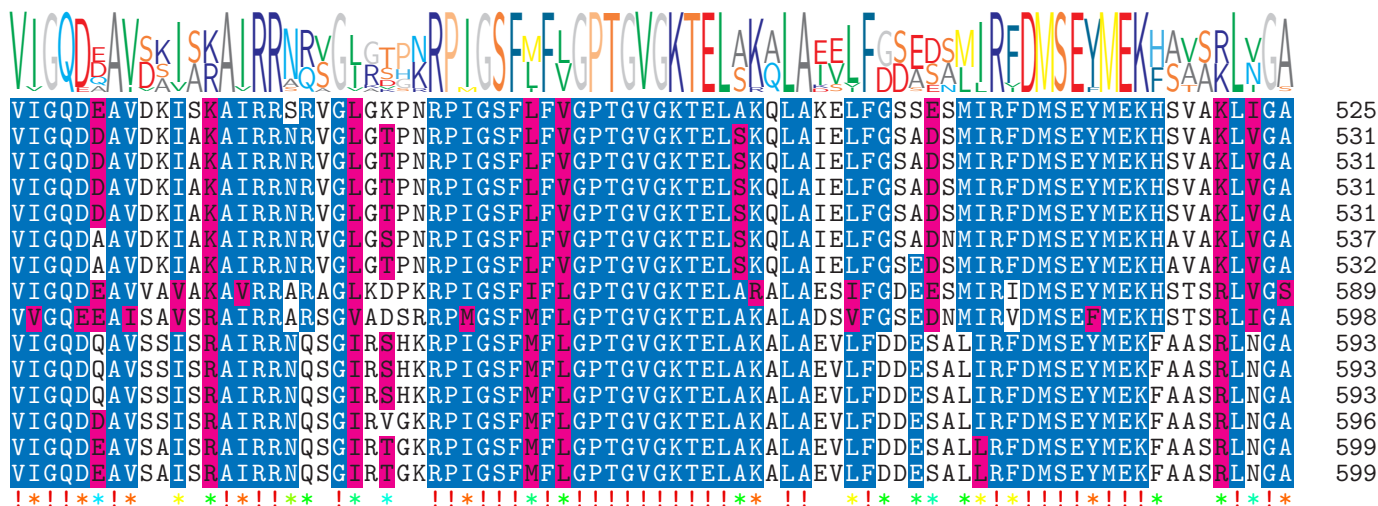
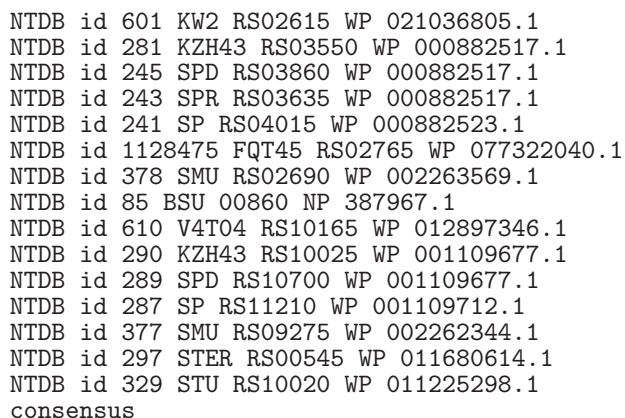
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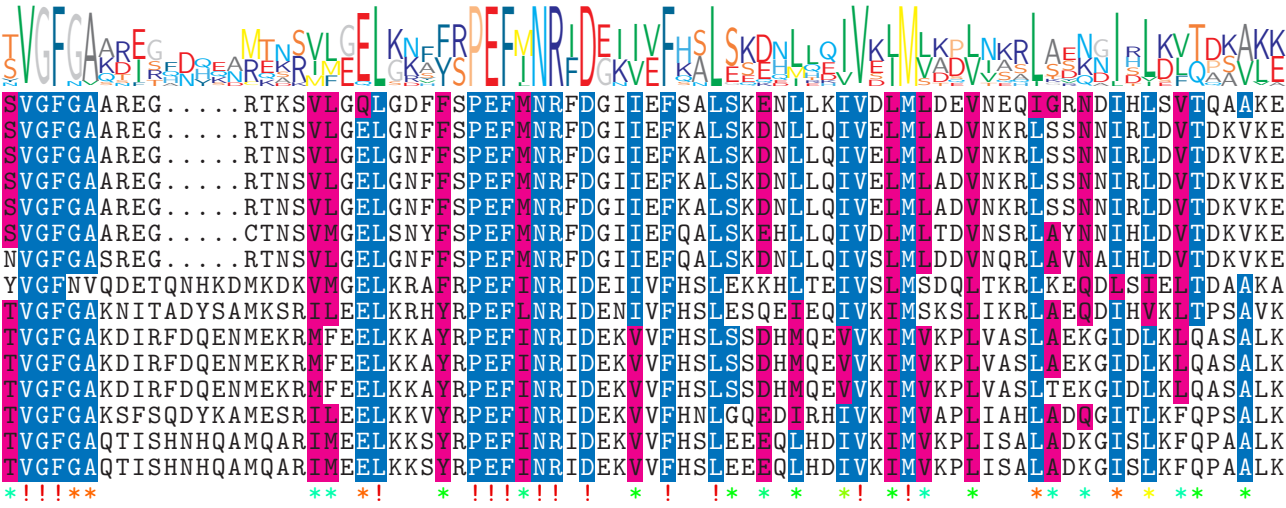
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consensus



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