

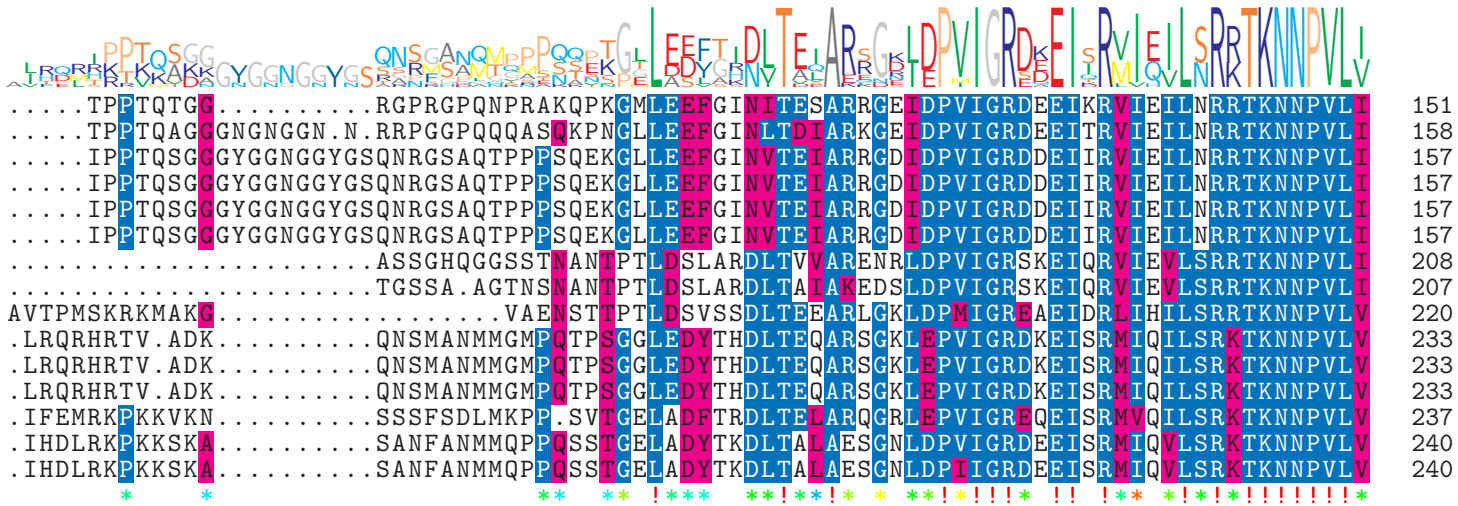
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|--------------------------------------------|---------------------------------------------------------------------------------------|----|
| NTDB id 601 KW2 RS02615 WP 021036805.1     | .....MLCQNCNINEA.....TI                                                               | 13 |
| NTDB id 378 SMU RS02690 WP 002263569.1     | .....MLCQNCNINEA.....TI                                                               | 13 |
| NTDB id 241 SP RS04015 WP 000882523.1      | .....MLCQNCNINDS.....TI                                                               | 13 |
| NTDB id 281 KZH43 RS03550 WP 000882517.1   | .....MLCQNCNINDS.....TI                                                               | 13 |
| NTDB id 245 SPD RS03860 WP 000882517.1     | .....MLCQNCNINDS.....TI                                                               | 13 |
| NTDB id 243 SPR RS03635 WP 000882517.1     | .....MLCQNCNINDS.....TI                                                               | 13 |
| NTDB id 131259 BG05 RS03895 WP 002063405.1 | ..MMFGRFTERAQKVLALSQEEAIRIGHNNIGTEHILLGLVREGEGLAAKALIALGLSPEKVQKEVEALIG.....RGTEAS    | 75 |
| NTDB id 85 BSU 00860 NP 387967.1           | ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS    | 75 |
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| NTDB id 290 KZH43 RS10025 WP 001109677.1   | .....MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET | 75 |
| NTDB id 289 SPD RS10700 WP 001109677.1     | .....MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET | 75 |
| NTDB id 287 SP RS11210 WP 001109712.1      | .....MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET | 75 |
| NTDB id 377 SMU RS09275 WP 002262344.1     | ...MTDYS LKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRFEDYQAAAILAIGKKPKSSSN..DI  | 79 |
| NTDB id 297 STER RS00545 WP 011680614.1    | ...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI | 81 |
| NTDB id 329 STU RS10020 WP 011225298.1     | ...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI | 81 |
| consensus                                  | *** * * * * *                                                                         |    |

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|------|----|--------|-------|---------|----|-------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---|---|-----|---|---|---|---|---|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|---|----|---|----|-------|---|-----|---|---|---|--|-----|
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| NTDB | id | 378    | SMU   | RS02690 | WP | 002263569.1 | H  | L | Y | A | N | V | N | G | Q | K | K | Q | I | D | L | C | N | C | Y | Q | I   | ... | M | K | T | D | P | . | E | N | G | P | L | N | H | . | S | Q | N | S | S | ... | I | N | P   | F | F | D | . | D | F | F | G     | D | . | L | N | N | F | R | A | F | N | N | Q | D | L  | P  | N  |   | 80 |   |    |       |   |     |   |   |   |  |     |
| NTDB | id | 241    | SP    | RS04015 | WP | 000882523.1 | H  | L | Y | T | N | L | N | G | K | K | K | Q | I | D | L | C | N | C | Y | K | I   | ... | I | K | T | D | P | N | N | S | . | L | F | K | G | M | T | . | D | L | N | N   | R | D | ... | F | D | P | . | F | G | D | .     | F | F | N | D | . | L | N | N | F | R | P | S | S | N  | .. | T  | P | P  |   | 77 |       |   |     |   |   |   |  |     |
| NTDB | id | 281    | KZH43 | RS03550 | WP | 000882517.1 | H  | L | Y | T | N | L | N | G | K | K | K | Q | I | D | L | C | N | C | Y | K | I   | ... | I | K | T | D | P | N | N | S | . | L | F | K | G | M | T | . | D | L | N | N   | R | D | ... | F | D | P | . | F | G | D | .     | F | F | N | D | . | L | N | N | F | R | P | S | S | N  | .. | T  | P | P  |   | 77 |       |   |     |   |   |   |  |     |
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| NTDB | id | 131259 | BGO5  | RS03895 | WP | 002063405.1 | Q  | T | V | H | Y | T | P | R | A | K | K | V | I | E | L | S | M | D | E | A | R   | K   | L | G | H | S | Y | V | G | T | E | H | I | L | L | G | L | I | R | E | G | E   | G | V | A   | A | R | V | . | L | N | N | L     | G | V | S | L | N | K | A | R | Q | Q | V | L | Q | .. | L  | L  | G | S  | N | E  | ..... |   | 146 |   |   |   |  |     |
| NTDB | id | 85     | BSU   | O0860   | NP | 387967.1    | Q  | T | I | H | Y | T | P | R | A | K | K | V | I | E | L | S | M | D | E | A | R   | K   | L | G | H | S | Y | V | G | T | E | H | I | L | L | G | L | I | R | E | G | E   | G | V | A   | A | R | V | . | L | N | N | L     | G | V | S | L | N | K | A | R | Q | Q | V | L | Q | .. | L  | L  | G | S  | N | E  | ..... |   | 146 |   |   |   |  |     |
| NTDB | id | 610    | V4T04 | RS10165 | WP | 012897346.1 | S  | T | L | R | F | S | P | R | A | E | E | V | M | T | A | A | S | F | L | A | I   | H   | N | N | S | E | A | V | G | T | E | H | L | L | Y | A | L | L | Q | V | E | D   | . | G | F   | G | L | Q | L | L | K | L | ..... | Q | K | I | N | I | V | S | . | L | R | K | E | . | L  | E  | K  | R | T  | G | L  | K     | V | P   | E | S | K |  | 153 |
| NTDB | id | 290    | KZH43 | RS10025 | WP | 001109677.1 | T  | E | L | P | F | S | R | R | L | Q | I | L | F |   |   |   |   |   |   |   |     |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |   |    |   |    |       |   |     |   |   |   |  |     |

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NTDB id 329 STU RS10020 WP 011225298.1
consensus

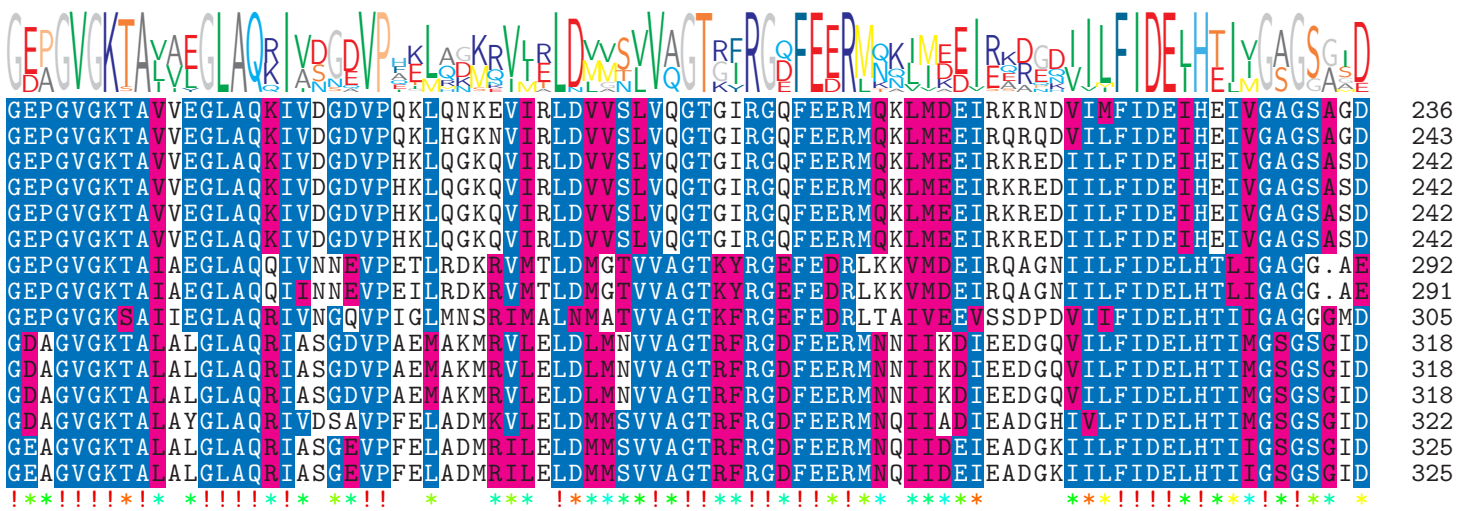
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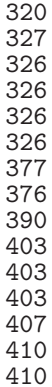
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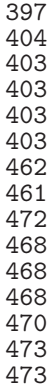
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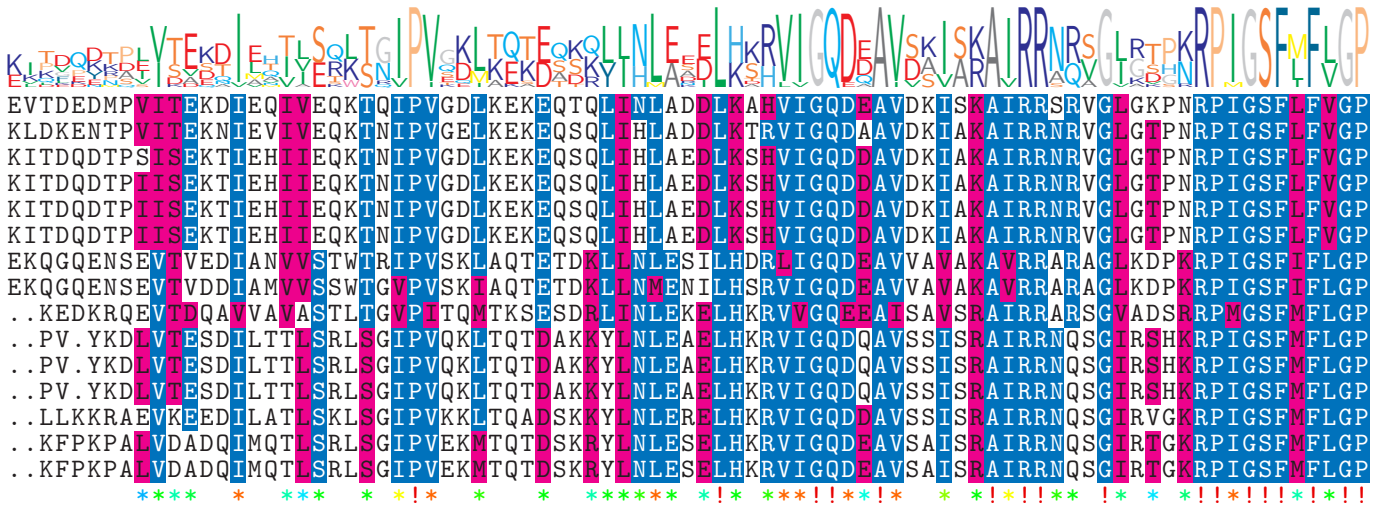
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consensus



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| NTDB id 131259 BG05 RS03895 WP 002063405.1 | VIHSAEKVK.....       | 811 |
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| consensus                                  |                      |     |



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