

logo

|                 |                                |   |    |
|-----------------|--------------------------------|---|----|
|                 |                                | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK |    |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 80 |
| NTDB id 1168    | A1552VC RS11070 WP 000957200.1 | .....   | 0  |
| NTDB id 1401    | DSB67 RS12665 WP 010643259.1   | .....   | 0  |
| NTDB id 1293    | VP RS12240 WP 005479695.1      | .....   | 0  |
| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....   | 0  |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....   | 0  |
| NTDB id 1132381 | CFBP498 RS05570 WP 043907067.1 | .....   | 0  |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....   | 0  |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....   | 0  |
| consensus       |                                |   |    |

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|-----------------|--------------------------------|--|-----|
|                 |                                | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG |     |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG | 160 |
| NTDB id 1168    | A1552VC RS11070 WP 000957200.1 | .....  | 0   |
| NTDB id 1401    | DSB67 RS12665 WP 010643259.1   | .....  | 0   |
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| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....  | 0   |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....  | 0   |
| NTDB id 1132381 | CFBP498 RS05570 WP 043907067.1 | .....  | 0   |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....  | 0   |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....  | 0   |
| consensus       |                                |  |     |

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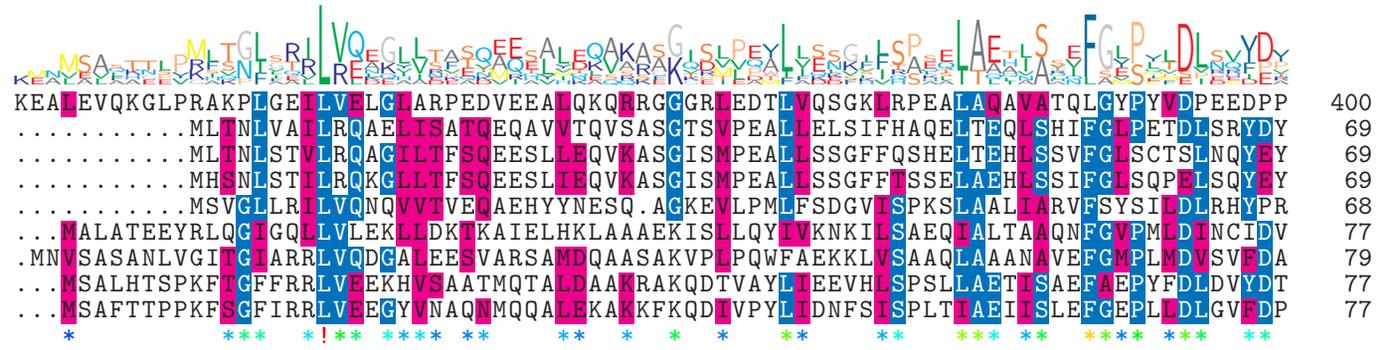
|                 |                                |  |     |
|-----------------|--------------------------------|--|-----|
|                 |                                | EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL |     |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL | 240 |
| NTDB id 1168    | A1552VC RS11070 WP 000957200.1 | .....  | 0   |
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| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....  | 0   |
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| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....  | 0   |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....  | 0   |
| consensus       |                                |  |     |

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|-----------------|--------------------------------|--|-----|
|                 |                                | LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL |     |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 320 |
| NTDB id 1168    | A1552VC RS11070 WP 000957200.1 | .....  | 0   |
| NTDB id 1401    | DSB67 RS12665 WP 010643259.1   | .....  | 0   |
| NTDB id 1293    | VP RS12240 WP 005479695.1      | .....  | 0   |
| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....  | 0   |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....  | 0   |
| NTDB id 1132381 | CFBP498 RS05570 WP 043907067.1 | .....  | 0   |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....  | 0   |
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| consensus       |                                |  |     |

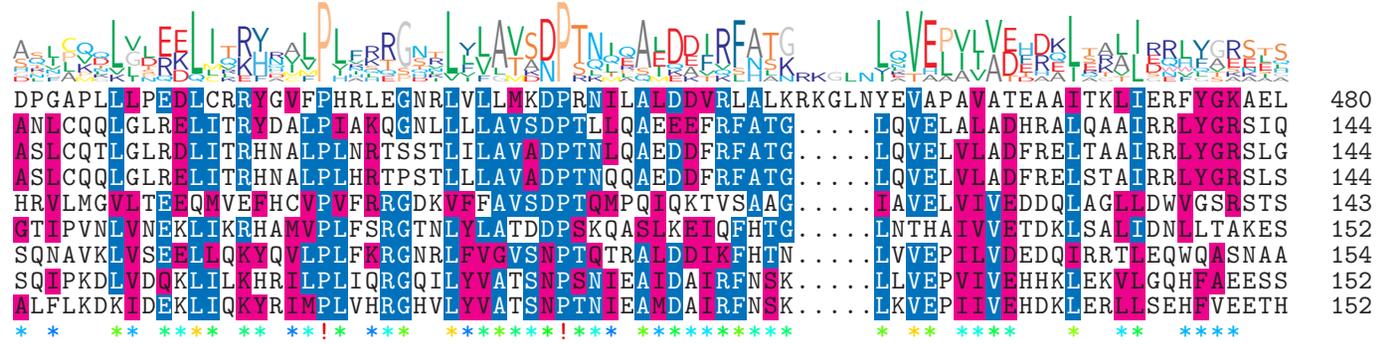
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1  
 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 consensus



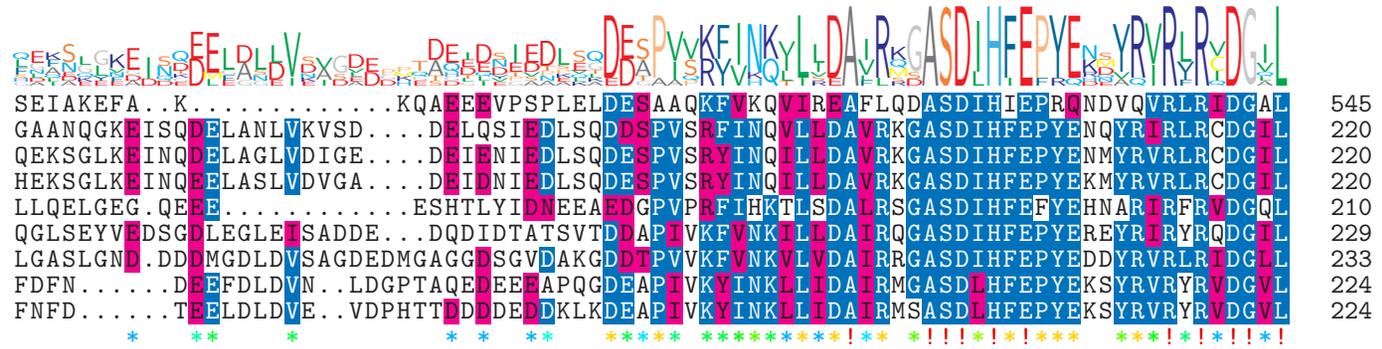
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 consensus



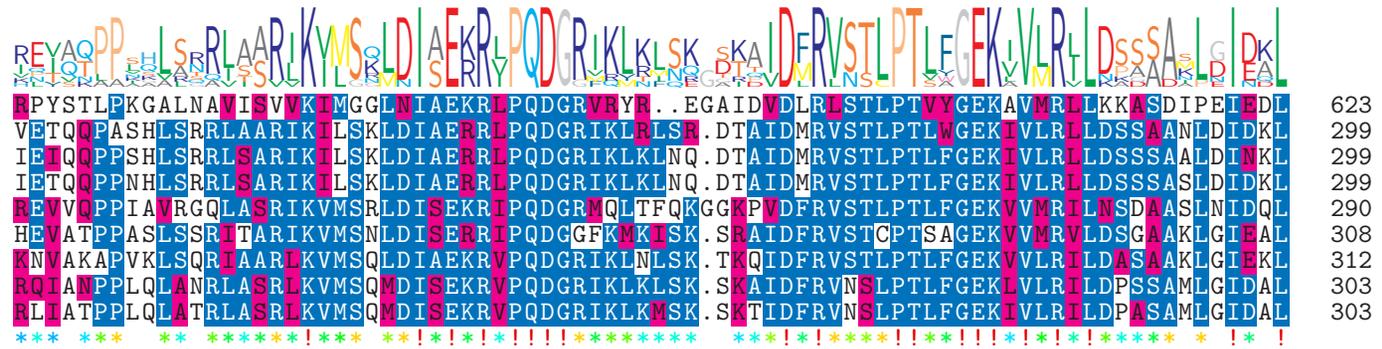
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 consensus



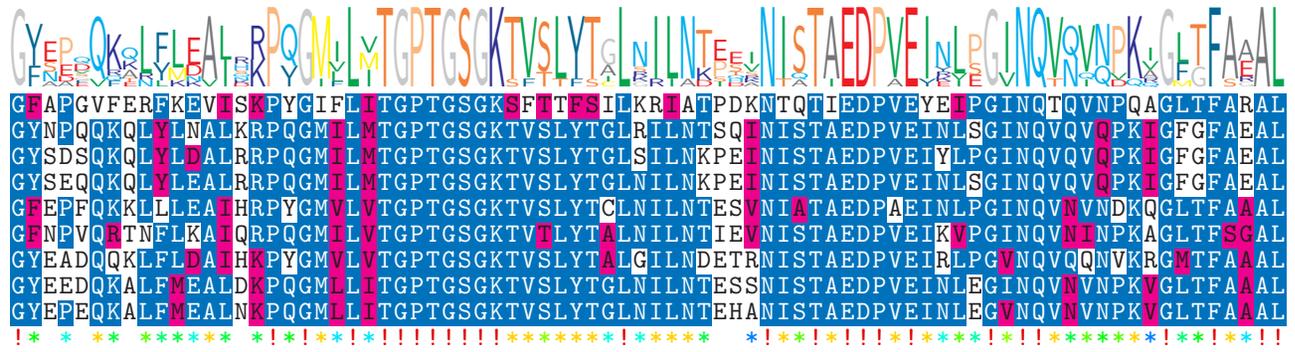
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 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 consensus



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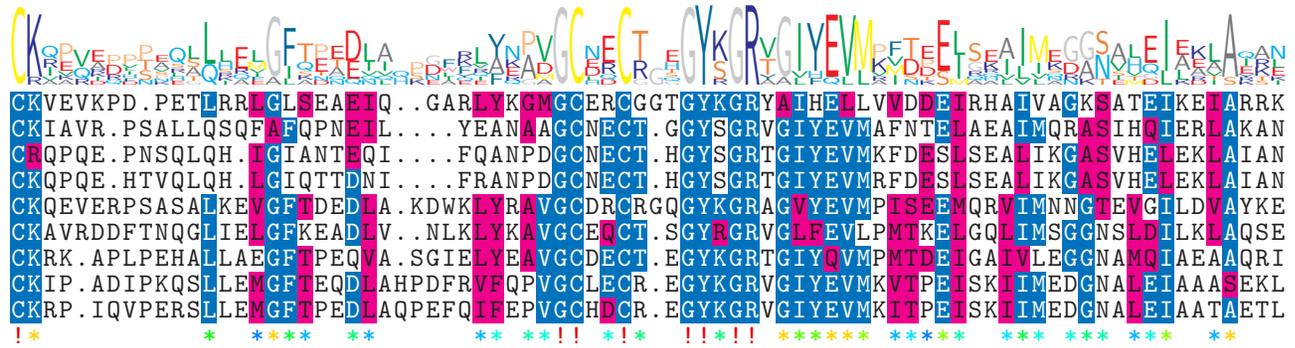
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 consensus



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459  
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450  
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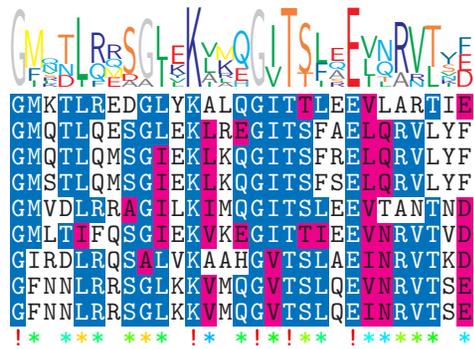
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NTDB id 1028 TT RS08215 WP 011173991.1  
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 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 consensus



889  
562  
561  
561  
558  
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578  
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570

 non conserved  
 similar  
  $\geq 50\%$  conserved