

logo

|                 |                                |   |    |
|-----------------|--------------------------------|---|----|
|                 |                                | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 80 |
| NTDB id 1028    | TT RS08215 WP 011173991.1      |   |    |
| NTDB id 1306    | DR RS10060 WP 027479822.1      | .MALSIGDRLRGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL  | 79 |
| 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 1043784 | ACEI37 RS24860 WP 373378572.1  | .....   | 0  |
| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....   | 0  |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....   | 0  |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....   | 0  |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....   | 0  |
| consensus       |                                |   |    |

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|-----------------|--------------------------------|---|-----|
|                 |                                | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   | 158 |
| NTDB id 1028    | TT RS08215 WP 011173991.1      |   |     |
| NTDB id 1306    | DR RS10060 WP 027479822.1      | RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIEIVVPSGA | 157 |
| 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 1043784 | ACEI37 RS24860 WP 373378572.1  | .....   | 0   |
| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....   | 0   |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....   | 0   |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....   | 0   |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....   | 0   |
| consensus       |                                |   |     |

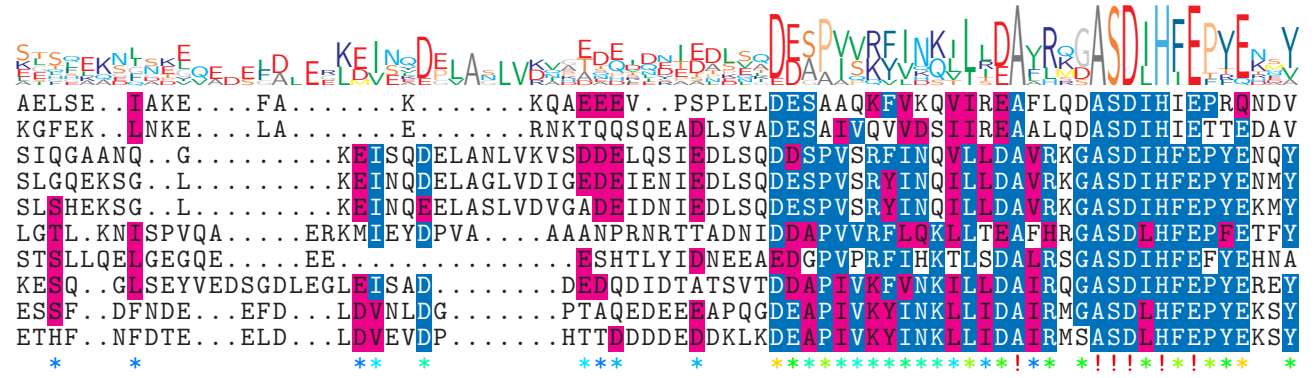
logo

|                 |                                |  |     |
|-----------------|--------------------------------|--|-----|
|                 |                                | SGEGQKDLKLGELLQKQWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGFLESTEGIVPDPSAA  | 237 |
| NTDB id 1028    | TT RS08215 WP 011173991.1      |  |     |
| NTDB id 1306    | DR RS10060 WP 027479822.1      | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL | 237 |
| 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 1043784 | ACEI37 RS24860 WP 373378572.1  | .....  | 0   |
| NTDB id 1110    | NGFG RS09235 WP 003689817.1    | .....  | 0   |
| NTDB id 1251    | GCO85 RS07725 WP 011946523.1   | .....  | 0   |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....  | 0   |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....  | 0   |
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1  
 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 consensus



535  
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214

logo

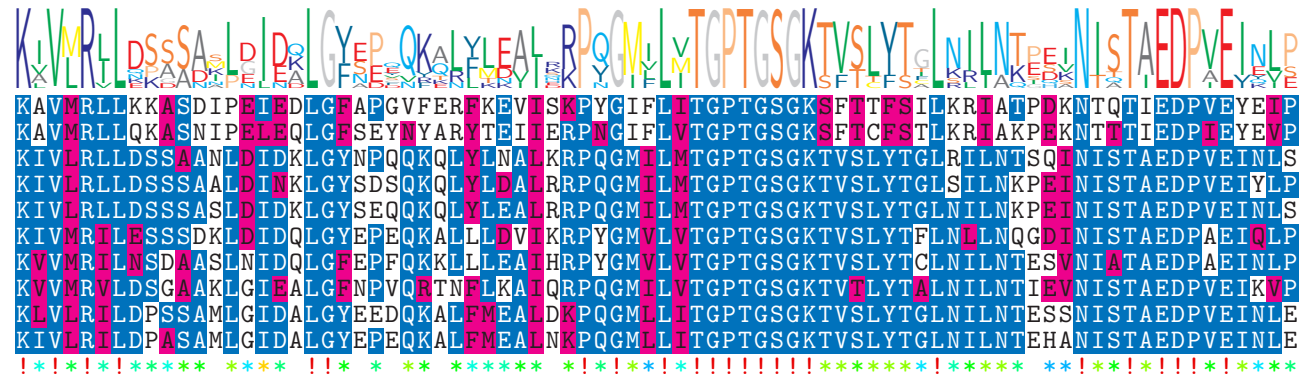
NTDB id 1028 TT RS08215 WP 011173991.1  
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1  
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 consensus



604  
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284

logo

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



684  
681  
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364  
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logo

NTDB id 1028 TT RS08215 WP 011173991.1  
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 consensus



764  
761  
440  
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431  
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 consensus



841  
838  
514  
513  
513  
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logo

NTDB id 1028 TT RS08215 WP 011173991.1  
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 consensus



889  
887  
562  
561  
561  
574  
558  
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570  
570

- non conserved
- similar
- ≥ 50% conserved