

logo

|               |                                |   |    |
|---------------|--------------------------------|---|----|
|               |                                | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV | 0  |
| NTDB id 1410  | SGL RS13950 WP 010873519.1     | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV | 80 |
| NTDB id 1028  | TT RS08215 WP 011173991.1      | .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL   | 79 |
| NTDB id 1306  | DR RS10060 WP 027479822.1      | .....   | 0  |
| NTDB id 1168  | A1552VC RS11070 WP 000957200.1 | .....   | 0  |
| NTDB id 1293  | VP RS12240 WP 005479695.1      | .....   | 0  |
| NTDB id 1401  | DSB67 RS12665 WP 010643259.1   | .....   | 0  |
| NTDB id 1110  | NGFG RS09235 WP 003689817.1    | .....   | 0  |
| NTDB id 1251  | GCO85 RS07725 WP 011946523.1   | .....   | 0  |
| NTDB id 85852 | LYSHEL RS04005 WP 213435889.1  | .....   | 0  |
| NTDB id 1058  | ABD1 RS01615 WP 001274986.1    | .....   | 0  |
| NTDB id 1018  | ACIAD RS01685 WP 004920473.1   | .....   | 0  |
| consensus     |                                | .....   | 0  |

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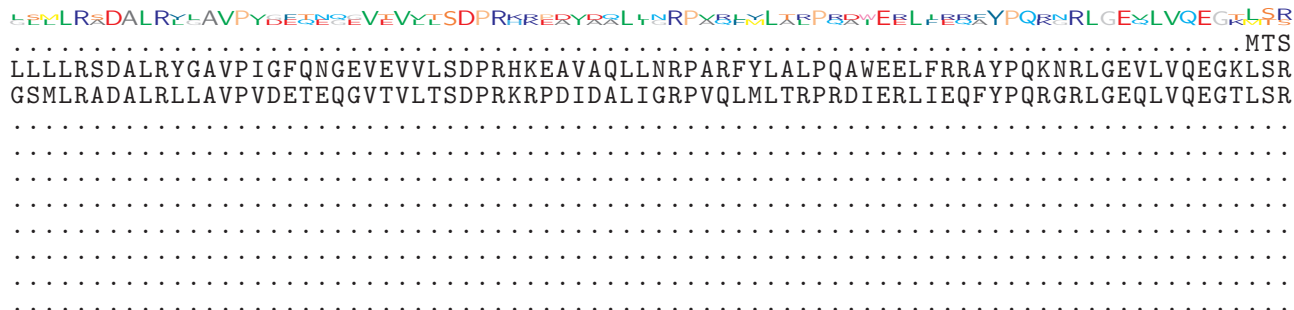
|               |                                |  |     |
|---------------|--------------------------------|--|-----|
|               |                                | ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLD TL SLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P | 0   |
| NTDB id 1410  | SGL RS13950 WP 010873519.1     | ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLD TL SLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P | 158 |
| NTDB id 1028  | TT RS08215 WP 011173991.1      | RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIEIVVPSGA  | 157 |
| NTDB id 1306  | DR RS10060 WP 027479822.1      | .....  | 0   |
| NTDB id 1168  | A1552VC RS11070 WP 000957200.1 | .....  | 0   |
| NTDB id 1293  | VP RS12240 WP 005479695.1      | .....  | 0   |
| NTDB id 1401  | DSB67 RS12665 WP 010643259.1   | .....  | 0   |
| NTDB id 1110  | NGFG RS09235 WP 003689817.1    | .....  | 0   |
| NTDB id 1251  | GCO85 RS07725 WP 011946523.1   | .....  | 0   |
| NTDB id 85852 | LYSHEL RS04005 WP 213435889.1  | .....  | 0   |
| NTDB id 1058  | ABD1 RS01615 WP 001274986.1    | .....  | 0   |
| NTDB id 1018  | ACIAD RS01685 WP 004920473.1   | .....  | 0   |
| consensus     |                                | .....  | 0   |

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|               |                                |   |     |
|---------------|--------------------------------|---|-----|
|               |                                | SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA | 0   |
| NTDB id 1410  | SGL RS13950 WP 010873519.1     | SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA | 237 |
| NTDB id 1028  | TT RS08215 WP 011173991.1      | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEGTTFLPNPSGFHPGEEVL   | 237 |
| NTDB id 1306  | DR RS10060 WP 027479822.1      | .....   | 0   |
| NTDB id 1168  | A1552VC RS11070 WP 000957200.1 | .....   | 0   |
| NTDB id 1293  | VP RS12240 WP 005479695.1      | .....   | 0   |
| NTDB id 1401  | DSB67 RS12665 WP 010643259.1   | .....   | 0   |
| NTDB id 1110  | NGFG RS09235 WP 003689817.1    | .....   | 0   |
| NTDB id 1251  | GCO85 RS07725 WP 011946523.1   | .....   | 0   |
| NTDB id 85852 | LYSHEL RS04005 WP 213435889.1  | .....   | 0   |
| NTDB id 1058  | ABD1 RS01615 WP 001274986.1    | .....   | 0   |
| NTDB id 1018  | ACIAD RS01685 WP 004920473.1   | .....   | 0   |
| consensus     |                                | .....   | 0   |

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NTDB id 1410 SGL RS13950 WP 010873519.1  
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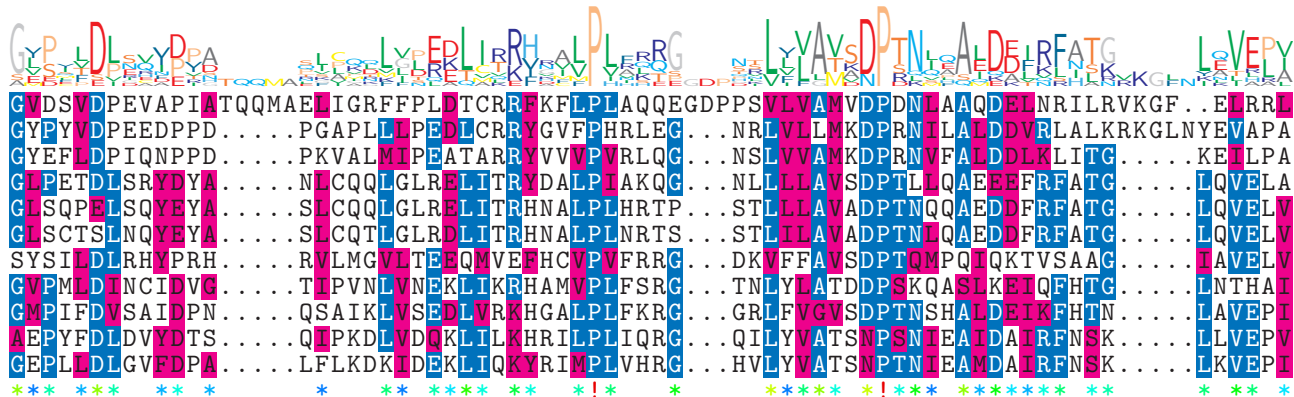
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|---|---|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1     | EMRAKRKRSALTCR <small>X</small> TCAAEL <small>X</small> Q <small>X</small> EWLDCPYCMTSRFS | 672 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | .....   | 889 |
| NTDB id 1306 DR RS10060 WP 027479822.1      | .....   | 887 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | .....   | 562 |
| NTDB id 1293 VP RS12240 WP 005479695.1      | .....   | 561 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | .....   | 561 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....   | 558 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....   | 574 |
| NTDB id 85852 LYSHEL RS04005 WP 213435889.1 | .....   | 574 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....   | 570 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....   | 570 |
| consensus                                   |   |     |

- X non conserved
- X similar
- X  $\geq$  50% conserved