

logo

|                                              |                                                                                   |    |
|----------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | MSVLTITCDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 0  |
| NTDB id 1028 TT RS08215 WP 011173991.1       | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK  | 80 |
| 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 110142 ACAK28 RS16765 WP 001274990.1 | .....                                                                             | 0  |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1     | .....                                                                             | 0  |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1    | .....                                                                             | 0  |
| consensus                                    |                                                                                   |    |

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|----------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG | 0   |
| NTDB id 1028 TT RS08215 WP 011173991.1       | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG | 160 |
| 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 110142 ACAK28 RS16765 WP 001274990.1 | .....                                                                            | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1     | .....                                                                            | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1    | .....                                                                            | 0   |
| consensus                                    |                                                                                  |     |

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|                                              |                                                                                  |     |
|----------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL | 0   |
| NTDB id 1028 TT RS08215 WP 011173991.1       | EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL | 240 |
| 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 110142 ACAK28 RS16765 WP 001274990.1 | .....                                                                            | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1     | .....                                                                            | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1    | .....                                                                            | 0   |
| consensus                                    |                                                                                  |     |

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| NTDB id        | Accession                      | Sequence                                                                         | Score |
|----------------|--------------------------------|----------------------------------------------------------------------------------|-------|
| NTDB id 1410   | SGL RS13950 WP 010873519.1     | LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 6     |
| NTDB id 1028   | TT RS08215 WP 011173991.1      | LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 320   |
| NTDB id 1168   | A1552VC RS11070 WP 000957200.1 | .....MTSSSS                                                                      | 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   | GC085 RS07725 WP 011946523.1   | .....                                                                            | 0     |
| NTDB id 110142 | ACAK28 RS16765 WP 001274990.1  | .....                                                                            | 0     |
| NTDB id 1058   | ABD1 RS01615 WP 001274986.1    | .....                                                                            | 0     |
| NTDB id 1018   | ACIAD RS01685 WP 004920473.1   | .....                                                                            | 0     |
| consensus      |                                |                                                                                  |       |

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| NTDB id        | Accession                      | Protein Name  | Sequence     | Score |
|----------------|--------------------------------|---------------|--------------|-------|
| NTDB id 1410   | SGL RS13950 WP 010873519.1     | SKKSRVALRNYFS | SPFGNKL      | 86    |
| NTDB id 1028   | TT RS08215 WP 011173991.1      | KEALIEVQKGLP  | RAKPLG       | 391   |
| NTDB id 1168   | A1552VC RS11070 WP 000957200.1 | .....MLTNL    | VAILLRQAELIS | 60    |
| NTDB id 1293   | VP RS12240 WP 005479695.1      | .....MHSNL    | STILRRQKGLL  | 60    |
| NTDB id 1401   | DSB67 RS12665 WP 010643259.1   | .....MLTNL    | STVLRQAGILT  | 60    |
| NTDB id 1110   | NGFG RS09235 WP 003689817.1    | .....MSVGL    | LLRILVQNQV   | 59    |
| NTDB id 1251   | GC085 RS07725 WP 011946523.1   | ...MALATEEY   | RLQCTGQLL    | 68    |
| NTDB id 110142 | ACAK28 RS16765 WP 001274990.1  | ...MSALHTSP   | KFTGFFRRL    | 68    |
| NTDB id 1058   | ABD1 RS01615 WP 001274986.1    | ...MSALHTSP   | KFTGFFRRL    | 68    |
| NTDB id 1018   | ACIAD RS01685 WP 004920473.1   | ...MSAFTTPPK  | FSFGIRRL     | 68    |
| consensus      |                                | *             | *****        |       |

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[illegible]

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NTDB id 1410 SGL RS13950 WP 010873519.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

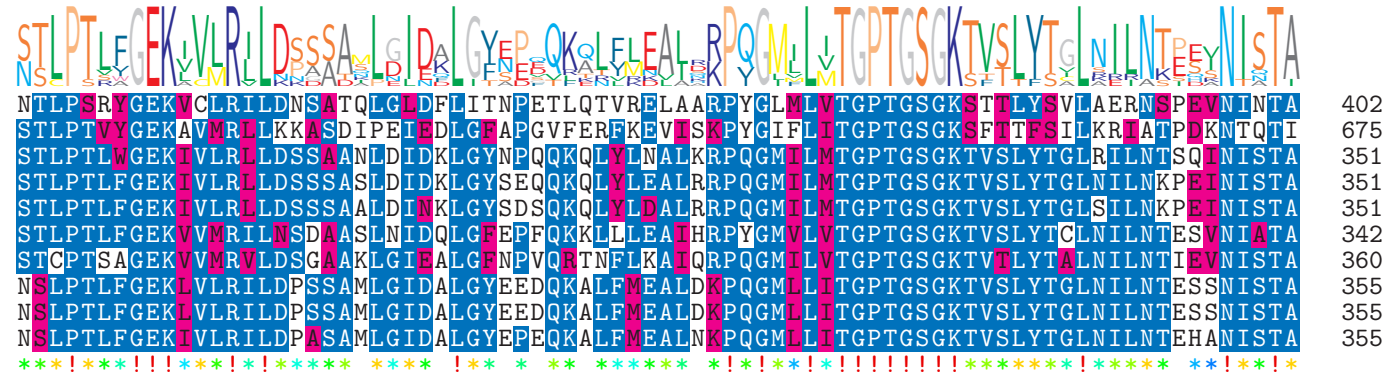
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

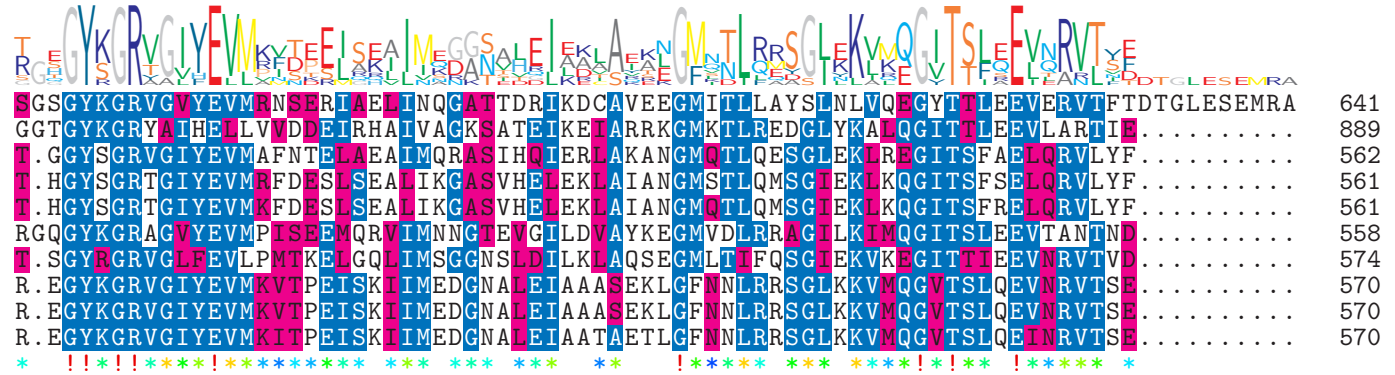
```



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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
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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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|                                              |                                 |     |
|----------------------------------------------|---------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | KRKSALTCRTCAAELQQEWLDCPYCMTSRFS | 672 |
| NTDB id 1028 TT RS08215 WP 011173991.1       | .....                           | 889 |
| 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 110142 ACAK28 RS16765 WP 001274990.1 | .....                           | 570 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1     | .....                           | 570 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1    | .....                           | 570 |
| consensus                                    |                                 |     |

-  non conserved
-  similar
-  ≥ 50% conserved