

logo

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|---------------------------------------------|----------------------------------------------------------------------------------|----|
| NTDB id 1306 DR RS10060 WP 027479822.1      | MSXLSIGDRRLGAILLDQGYLGNDLQRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL | 79 |
| 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 79565 LA24 RS11125 WP 002221967.1   | .....                                                                            | 0  |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....                                                                            | 0  |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....                                                                            | 0  |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                                                            | 0  |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                                                            | 0  |
| consensus                                   |                                                                                  |    |

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|---------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1306 DR RS10060 WP 027479822.1      | RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIYVPSGA | 157 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   | 158 |
| 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 79565 LA24 RS11125 WP 002221967.1   | .....                                                                              | 0   |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....                                                                              | 0   |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....                                                                              | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                                                              | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                                                              | 0   |
| consensus                                   |                                                                                    |     |

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| NTDB id 1306 DR RS10060 WP 027479822.1      | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL | 237 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | SGEGQKDLKLGELLQKGWISREALEEALVEQKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA | 237 |
| 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 79565 LA24 RS11125 WP 002221967.1   | .....                                                                          | 0   |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....                                                                          | 0   |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....                                                                          | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                                                          | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                                                          | 0   |
| consensus                                   |                                                                                |     |

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| NTDB id 1306 DR RS10060 WP 027479822.1      | LSMLRSDALRYLAVPYGEISSEVIVYSDPRKREXYRLYRPXSHMLTSPSYEELFESSYPQRRLGELVQEGELSR          | 317 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | GSMLRADALRLLAVPVDETEQQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRRLGEQLVQEGTLSR | 317 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR    | 0   |
| NTDB id 1293 VP RS12240 WP 005479695.1      | .....                                                                               | 0   |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | .....                                                                               | 0   |
| NTDB id 79565 LA24 RS11125 WP 002221967.1   | .....                                                                               | 0   |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....                                                                               | 0   |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....                                                                               | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                                                               | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                                                               | 0   |
| consensus                                   |                                                                                     |     |

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| NTDB id 1306 DR RS10060 WP 027479822.1      | DQLREALQVQAREGKVKPLGEVITELGFASPDVDSALQKQNVGGRLDITLVQSGKLSPEMLARSLAAQLGYEFLDPIQ    | 397 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | EALKEALEVQKGLPRAKPLGEIILVELGLARPEDVEEALQKQRRGGRLDITLVQSGKLRPEALAAQAVATQLGYPPVDPEE | 397 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | .....MLTNLVAAILRQAEILISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHITFGLPETDLSR        | 66  |
| NTDB id 1293 VP RS12240 WP 005479695.1      | .....MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSSELAEHLSSIFGLSQPELSQ          | 66  |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | .....MLTNLSTVLRQAGILTFSQEESSLIEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQ          | 66  |
| NTDB id 79565 LA24 RS11125 WP 002221967.1   | .....MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH           | 65  |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH           | 65  |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....MALATEEYRLQGIGQLLVLEKLLDKTKAIELHLKLA AEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINC  | 74  |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIIISLEFGEPLLDLGV  | 74  |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....MSALHTSPKFTGFFRRLVEEKHVSAAATMTALDAAKRAKQDVTAYLIEEVHLSPSLLAETISAEFAEYPFDLDV   | 74  |
| consensus                                   | * * * * *                                                                         |     |

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|---------------------------------------------|-------------------------------------------------------------------------------------|-----|
| NTDB id 1306 DR RS10060 WP 027479822.1      | NPPDPKVALMIPAEATARRYVVVVRQLQGNLSLVVAMKDPNRNVFALDDLKLITG.....KEILPAVMAEKDIIRLIERYFGE | 472 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | DPPDPGAPLLIPEDLCRRYGVFPHRLEGNRLVLLMKDPRNIALDDVRLALKRKGLNVEVAPAVATEAAITKLIERYFGK     | 477 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | YDYANLCQQGLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEFEFRFATG.....LQVELALADHRALQAAIRRLYGR   | 141 |
| NTDB id 1293 VP RS12240 WP 005479695.1      | YEYASLCQQGLGLRELITRHNA LPLHRTPTSTLLAVADPTNQQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR  | 141 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | YEYASLCQTLGLRLDLITRHNA LPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR  | 141 |
| NTDB id 79565 LA24 RS11125 WP 002221967.1   | YPRHRVLMGVLTTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....IEVELVIVEDDQLAGLLDWVGSR   | 140 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | YPRHRVLMGVLTTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....I AVELVIVEDDQLAGLLDWVGSR  | 140 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | IDVGTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA   | 149 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIIVEHDKLERLLSEHFVE    | 149 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | YDTSQIPKDLVDQKLLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVEHHKLEKVLGQHFAE   | 149 |
| consensus                                   | * * * * *                                                                           |     |

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NTDB id 1306 DR RS10060 WP 027479822.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
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consensus

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NTDB id 1306 DR RS10060 WP 027479822.1
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consensus
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus
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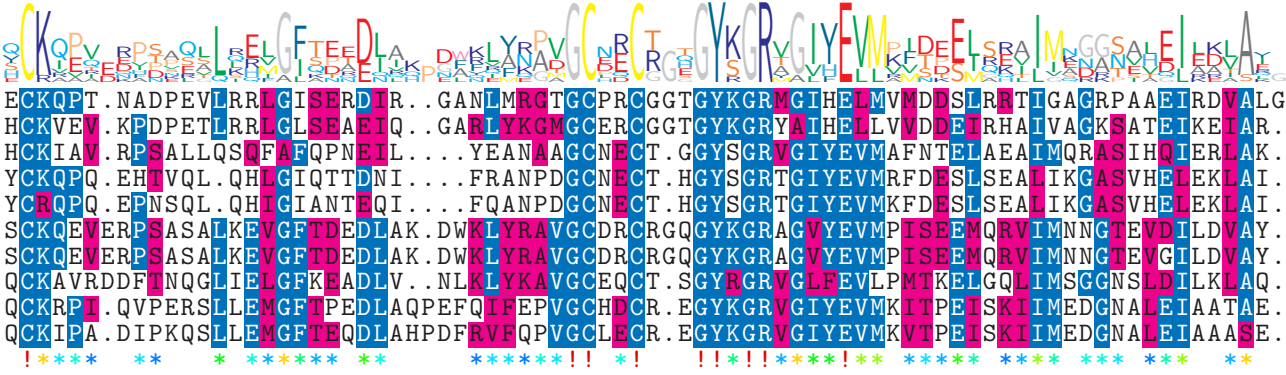
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NTDB id 1028 TT RS08215 WP 011173991.1  
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NTDB id 1018 ACIAD RS01685 WP 004920473.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
consensus



779  
782  
458  
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462

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NTDB id 1306 DR RS10060 WP 027479822.1  
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NTDB id 1058 ABD1 RS01615 WP 001274986.1  
consensus



856  
858  
531  
530  
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527  
527  
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539

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NTDB id 1306 DR RS10060 WP 027479822.1  
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NTDB id 1058 ABD1 RS01615 WP 001274986.1  
consensus



887  
889  
562  
561  
561  
558  
558  
574  
570  
570

ⓧ non conserved  
ⓧ similar  
ⓧ ≥ 50% conserved