

logo

|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1306 DR RS10060 WP 027479822.1      | MSXLSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL | 79 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV  | 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 305976 DV166 RS06095 WP 002231695.1 | .....                                                                             | 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..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA | 157 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..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 305976 DV166 RS06095 WP 002231695.1 | .....                                                                             | 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      | SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.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 305976 DV166 RS06095 WP 002231695.1 | .....                                                                           | 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      | LSMRLSDALRYGAVPIGFQNGEVEVLS                                                      | 317 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | GSMLRADALRLLAVPVDETEQQVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQGRGLGEQLVQEGTLSR | 317 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | LLLLRSDALRYGAVPIGFQNGEVEVLS                                                      | 0   |
| NTDB id 1293 VP RS12240 WP 005479695.1      | .....                                                                            | 0   |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | .....                                                                            | 0   |
| NTDB id 305976 DV166 RS06095 WP 002231695.1 | .....                                                                            | 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      | DQLREALQVQAREGKVKPLGEVITELGFASPD                | 397 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGRL | 397 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | .....                                           | 66  |
| NTDB id 1293 VP RS12240 WP 005479695.1      | .....                                           | 66  |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | .....                                           | 66  |
| NTDB id 305976 DV166 RS06095 WP 002231695.1 | .....                                           | 65  |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | .....                                           | 65  |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | .....                                           | 74  |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                           | 74  |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                           | 74  |
| consensus                                   |                                                 |     |

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|---------------------------------------------|--------------------------------------------------------------------------------|-----|
| NTDB id 1306 DR RS10060 WP 027479822.1      | NPPDPKVALMPEATARRVVVPVRLQGNLSLVAMKDPNRNVFALDDLKLITG                            | 472 |
| NTDB id 1028 TT RS08215 WP 011173991.1      | DPPDPGAPLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNIALDDVRLALKRKGLNVEVAPAVATEAAITKLIERFYGK | 477 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | YDYANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEFFRFRATG                           | 141 |
| NTDB id 1293 VP RS12240 WP 005479695.1      | YEYASLCQQLGLRELITRHNAIPLHRTPTSTLLAVADPTNQQAEDDFRFRATG                          | 141 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | YEYASLCQTLGLRLDLITRHNAIPLNRTSSTLILAVADPTNLQAEDDFRFRATG                         | 141 |
| NTDB id 305976 DV166 RS06095 WP 002231695.1 | YPRHRVLMGVLTTEEQMVFEHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG                          | 140 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | YPRHRVLMGVLTTEEQMVFEHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG                          | 140 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | IDVGTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTG                          | 149 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK                           | 149 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | YDTSQIPKDLVDQKLLIKHRLILPLIQRGQILYVATSNPSNIEAIDAIRFNSK                          | 149 |
| consensus                                   |                                                                                |     |

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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

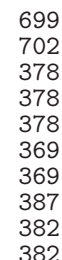
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NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
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consensus

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logo

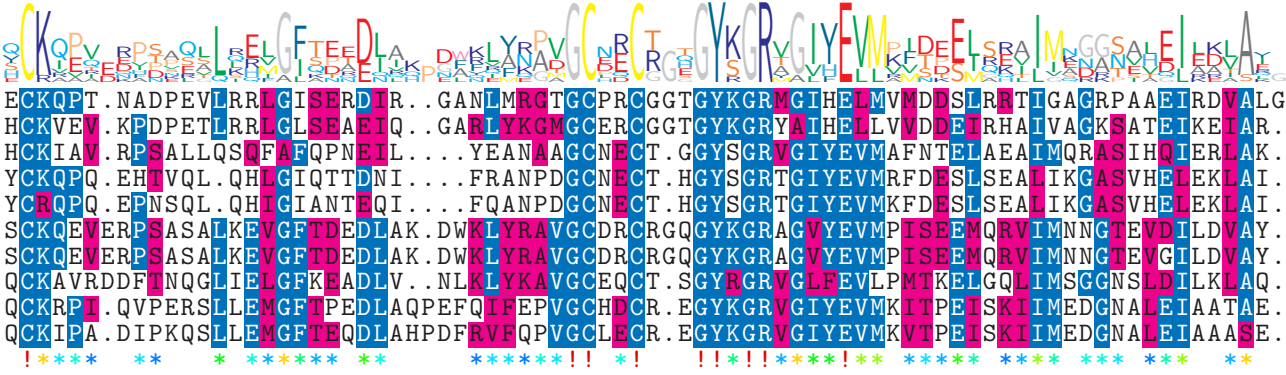
NTDB id 1306 DR RS10060 WP 027479822.1  
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1168 A1552VC RS11070 WP 000957200.1  
NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DSB67 RS12665 WP 010643259.1  
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NTDB id 1251 GC085 RS07725 WP 011946523.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
consensus



779  
782  
458  
458  
458  
449  
449  
467  
462  
462

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NTDB id 1306 DR RS10060 WP 027479822.1  
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  
consensus



856  
858  
531  
530  
530  
527  
527  
543  
539  
539

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NTDB id 1306 DR RS10060 WP 027479822.1  
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1168 A1552VC RS11070 WP 000957200.1  
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NTDB id 1018 ACIAD RS01685 WP 004920473.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
consensus



887  
889  
562  
561  
561  
558  
558  
574  
570  
570

ⓧ non conserved  
✗ similar  
ⓧ ≥ 50% conserved