

| NTDB id         | Accession                      | Protein                                   | Sequence                                  | Score |
|-----------------|--------------------------------|-------------------------------------------|-------------------------------------------|-------|
| NTDB id 1410    | SGL RS13950 WP 010873519.1     | MSVLTITGDKRLGAAALLDAGLLTDEELQRALERHREVGGS | LAEVLVDMGLLSERRIAQTIEDRFGLPLVELHRVEIPPKVK | 0     |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | MSVLTITGDKRLGAAALLDAGLLTDEELQRALERHREVGGS | LAEVLVDMGLLSERRIAQTIEDRFGLPLVELHRVEIPPKVK | 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    | GC085 RS07725 WP 011946523.1   | .....                                     | .....                                     | 0     |
| NTDB id 1014058 | ABWW74 RS17230 WP 001274990.1  | .....                                     | .....                                     | 0     |
| NTDB id 1058    | ABD1 RS01615 WP 001274986.1    | .....                                     | .....                                     | 0     |
| NTDB id 1018    | ACIAD RS01685 WP 004920473.1   | .....                                     | .....                                     | 0     |
| consensus       |                                |                                           |                                           |       |

|                                               |                                    |     |
|-----------------------------------------------|------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1       | .....                              | 0   |
| NTDB id 1028 TT RS08215 WP 011173991.1        | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLD | 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 GC085 RS07725 WP 011946523.1     | .....                              | 0   |
| NTDB id 1014058 ABWW74 RS17230 WP 001274990.1 | .....                              | 0   |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1      | .....                              | 0   |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1     | .....                              | 0   |
| consensus                                     | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLD |     |

| NTDB id         | Accession                      | Sequence                                                                           | Score |
|-----------------|--------------------------------|------------------------------------------------------------------------------------|-------|
| NTDB id 1410    | SGL RS13950 WP 010873519.1     | .....                                                                              | 0     |
| NTDB id 1028    | TT RS08215 WP 011173991.1      | EGQKDLKLGE LLLQKGWISREALEEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL | 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    | GC085 RS07725 WP 011946523.1   | .....                                                                              | 0     |
| NTDB id 1014058 | ABWW74 RS17230 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
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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[illegible]

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NTDB id 1410 SGL RS13950 WP 010873519.1
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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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[illegible]

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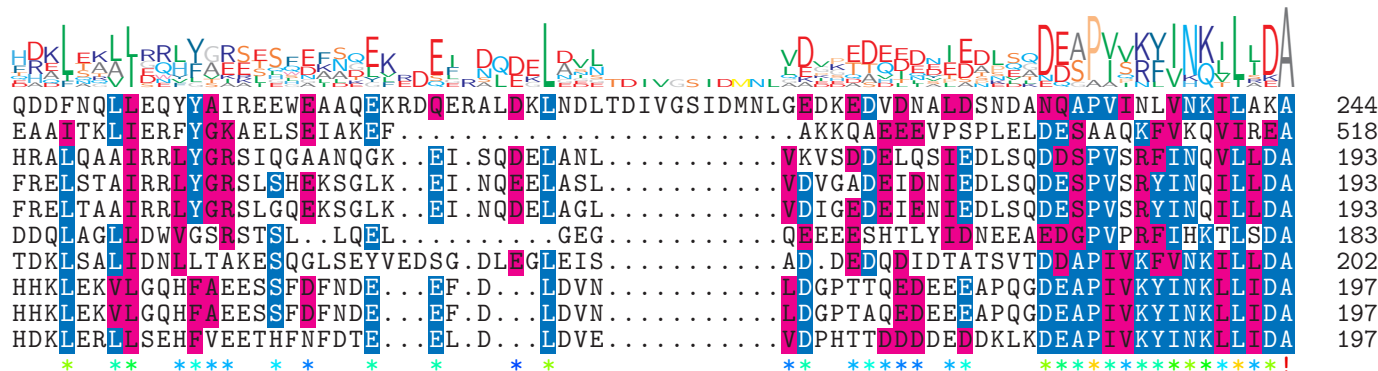
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NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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| Sequence                                                                           | Position |
|------------------------------------------------------------------------------------|----------|
| SVDPEVAPIATQMAELIGRFFPLDTCRRYKFLPLAAQEGDPSPSVLAVMPDNLAAQDELNRILRVKGF.EERRLVVT      | 164      |
| YVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNMLATDDVRLALKRKGLNIEVAPAVAT   | 463      |
| ETDLSRYDYAN.....LCQQGLGLRELITRYDALPIAKQ...GNLLLVASDPTLLQAEERFRFATG.....LQVELALAD   | 127      |
| QPELSQYFYAS.....LCQQGLGLRELITRHNALPLHRT...PSTLLLVADPTNQQAEDDFRFATG.....LQVELVLAD   | 127      |
| CTSLNQYFYAS.....LCQTLGLRLITRHNALPLNRT...SSTLLLVADPTNLQABDDFRFATG.....LQVELVLAD     | 127      |
| LDLRHYPRHR.....VLMGVLTEEQMVFEHCVPLVFR...GDKVFFAVSDPTQMPQIQKTVSAAG.....LAVELVIVE    | 126      |
| MLDINCIIVGT.....IPVNLVNEKLIKRRHAMVPLFSR...GTNLVLATDDPSKQASLKEIQFHTG.....LNTHAIVIVE | 135      |
| YFDLDVYDTSQ.....IPKDLVDQKLIKLRHILPLIQR...GQILYVATSNPSNIEATDAIRFSK.....LLVEPVIVE    | 135      |
| YFDLDVYDTSQ.....IPKDLVDQKLIKLRHILPLIQR...GQILYVATSNPSNIEATDAIRFSK.....LLVEPVIVE    | 135      |
| LLDLGVFDPAL.....FLDKDIDEXLIKRYRIMPLVHR...GHVLYVATSNPTNIEATDAIRFSK.....LKVEPIVE     | 135      |

logo

NTDB id 1410 SGL RS13950 WP 010873519.1  
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1168 A1552VC RS11070 WP 000957200.1  
NTDB id 1293 VP RS12240 WP 005479695.1  
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consensus



logo

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consensus



logo

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consensus



logo

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NTDB id 1014058 ABWW74 RS17230 WP 001274990.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus



482  
755  
431  
431  
431  
422  
440  
435  
435  
435

logo

NTDB id 1410 SGL RS13950 WP 010873519.1  
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1168 A1552VC RS11070 WP 000957200.1  
NTDB id 1293 VP RS12240 WP 005479695.1  
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NTDB id 1014058 ABWW74 RS17230 WP 001274990.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus

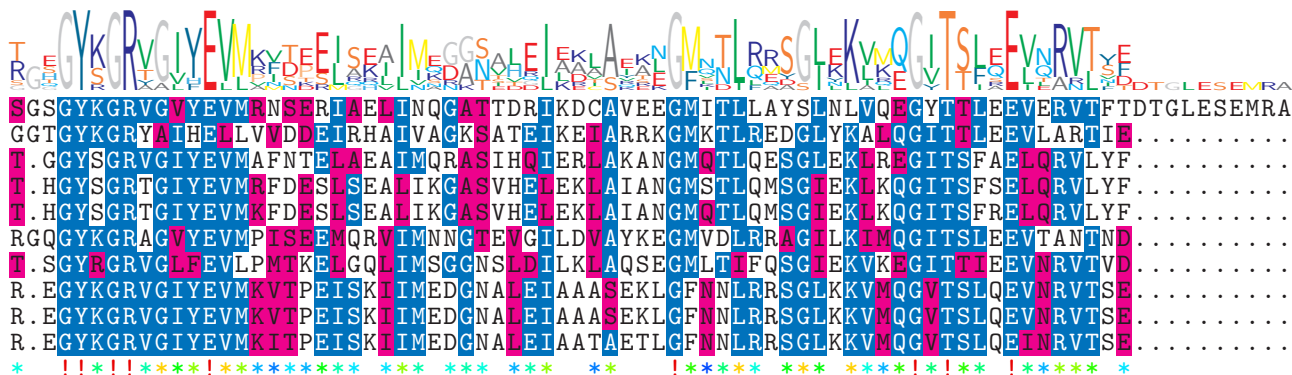


561  
819  
493  
492  
492  
488  
505  
501  
501  
501

logo

NTDB id 1410 SGL RS13950 WP 010873519.1  
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1168 A1552VC RS11070 WP 000957200.1  
NTDB id 1293 VP RS12240 WP 005479695.1  
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NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus



641  
889  
562  
561  
561  
558  
574  
570  
570  
570

logo

|                                               |                                 |     |
|-----------------------------------------------|---------------------------------|-----|
| 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 1014058 ABWW74 RS17230 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