

logo

| NTDB id      | Accession                      | Length | Score | Sequence                                                                          | Score |
|--------------|--------------------------------|--------|-------|-----------------------------------------------------------------------------------|-------|
| NTDB id 1257 | GC085 RS04855 WP 163621000.1   | 1000   | 78    | MRKIILAILIL..ISASLSLAYSKDNSLISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78    |
| NTDB id 1284 | ACE17W RS12370 WP 010946666.1  | 1000   | 78    | MRKIILAILIL..ISASLSMAYSKDNSLISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78    |
| NTDB id 1175 | A1552VC RS12105 WP 000788426.1 | 1000   | 0     | .....                                                                             | 0     |
| NTDB id 1186 | GTF74 RS01320 WP 000788426.1   | 1000   | 0     | .....                                                                             | 0     |
| NTDB id 1408 | DSB67 RS13980 WP 010643500.1   | 1000   | 0     | .....                                                                             | 0     |
| NTDB id 1009 | ACIAD RS15175 WP 004923730.1   | 1000   | 77    | MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGQGETIRVMFENGLPP.QPQAYQLEQPARLIIDFDKAGQKLA.. | 77    |
| NTDB id 1193 | PAKAF RS26665 WP 003161249.1   | 1000   | 76    | MNSGILSRGLIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKIGT..  | 76    |
| consensus    |                                |        |       | * * * * *                                                                         |       |

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|           |      |                    |             |      |         |           |                                           |               |                     |  |     |     |
|-----------|------|--------------------|-------------|------|---------|-----------|-------------------------------------------|---------------|---------------------|--|-----|-----|
| NTDB id   | 1257 | GCO85 RS04855 WP   | 163621000.1 | KTKT | IQLGSLH | SYNIVAVGD | RVRALILELDRS                              | VSYSGSTAGSVYS | LVLNGKSNDFENSKEVFIT |  | NQV | 145 |
| NTDB id   | 1284 | ACE17W RS12370 WP  | 010946666.1 | KTKT | IQLGSLH | SYNIVAVGD | RVRALILELDRS                              | VSYSGSTAGSIYS | LVLNGKSNDFENSKEVFIT |  | NQV | 145 |
| NTDB id   | 1175 | A1552VC RS12105 WP | 000788426.1 |      |         |           | MKNGLKT.                                  | YVAQTWLTLWVG  | LALCASSMVFS         |  | A.E | 32  |
| NTDB id   | 1186 | GTF74 RS01320 WP   | 000788426.1 |      |         |           | MKNGLKT.                                  | YVAQTWLTLWVG  | LALCASSMVFS         |  | A.E | 32  |
| NTDB id   | 1408 | DSB67 RS13980 WP   | 010643500.1 |      |         |           | MKMRRHLTLTPRKLTLGLFLWFS                   |               | LLIAP...FVA         |  | A.E | 33  |
| NTDB id   | 1009 | ACIAD RS15175 WP   | 004923730.1 | SLIP | VTNEAS  | SIDVSSDDK | RARVVVNLDAGAFTTRVEGNVFILKINNIIQSTATP      |               | VAT.SA.....         |  |     | 138 |
| NTDB id   | 1193 | PAKAF RS26665 WP   | 003161249.1 | KNRE | ISVGNTR | SVTVVEAKD | RTRLIINLTTLSSYYTTRVEGNLFVVVGNSPAGASVASTAP |               | VVKASPAPASYAQPIPKPY |  |     | 156 |
| consensus |      |                    |             | *    |         | *         | * * *                                     | * * * * *     | * * * * * * *       |  |     |     |

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|           |      |         |         |    |             |                                                                                      |     |
|-----------|------|---------|---------|----|-------------|--------------------------------------------------------------------------------------|-----|
| NTDB id   | 1257 | GC085   | RS04855 | WP | 163621000.1 | VNAKHETIKRIDFRGIEKQCGRVLIDVSDTGIPIDVTQVGKEIVNFNLTNKIPLNLMKRYDVSDFHSPVQIIITMQQEGKKV   | 225 |
| NTDB id   | 1284 | ACE17W  | RS12370 | WP | 010946666.1 | VNAKHETIKRIDFRGIEKQCGRVLIDVSDTGIPIDVTQVGKEIVNFNLTNKIPLNLMKRYDVSDFHSPVQIIITMQQEGKKV   | 225 |
| NTDB id   | 1175 | A1552VC | RS12105 | WP | 000788426.1 | SATANLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTADVADDKLYLLDVKDFTSTPVESVEVFRKEPST   | 112 |
| NTDB id   | 1186 | GTF74   | RS01320 | WP | 000788426.1 | SATANLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTADVADDKLYLLDVKDFTSTPVESVEVFRKEPST   | 112 |
| NTDB id   | 1408 | DSB67   | RS13980 | WP | 010643500.1 | EVQSNSLKSIDFRTNKDKDA VIVVELVSPA AIVDIKR VQEGLSIDLLNTSVKDDQLYLLDVKDFTSTPVESVEVFRDTTST | 113 |
| NTDB id   | 1009 | ACIAD   | RS15175 | WP | 004923730.1 | PAPQQIGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVRFPFGIKIPTHLARRLNTTDFA TPVA SIDSYN DGSNG | 218 |
| NTDB id   | 1193 | PAKAF   | RS26665 | WP | 003161249.1 | VPAGRAIRNIDFRGEKGEGNVVIDLSPTSLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT      | 236 |
| consensus |      |         |         |    |             | * * * ! * ! * * * * * * * * * ! * ! * * * * * * * * * ! * ! * * * * * *              |     |

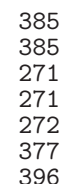
logo

[illegible]

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NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

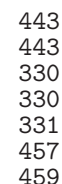
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NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

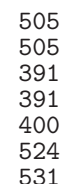
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NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

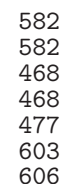
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NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

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logo

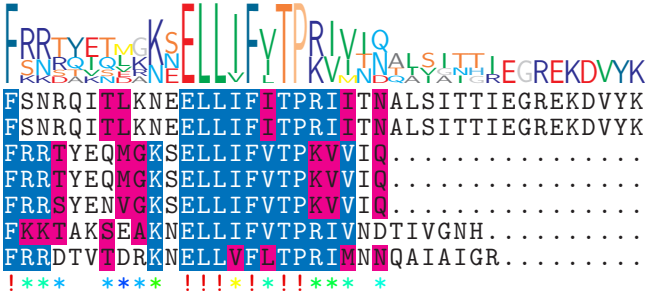
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NTDB id 1175 A1552VC RS12105 WP 000788426.1  
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NTDB id 1193 PAKAF RS26665 WP 003161249.1  
consensus



658  
658  
547  
547  
556  
679  
683

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1  
NTDB id 1284 ACE17W RS12370 WP 010946666.1  
NTDB id 1175 A1552VC RS12105 WP 000788426.1  
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NTDB id 1193 PAKAF RS26665 WP 003161249.1  
consensus



698  
698  
571  
571  
580  
709  
714

- X non conserved
- X similar
- X ≥ 50% conserved