

logo

|                                             |                                                                                     |    |
|---------------------------------------------|-------------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | .MRKII.....AILILISASISMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIS         | 69 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | .MRKII.....AILILISASISMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIS         | 69 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | .MKQIIRQFSIGTV..AY.....AIMQVASAQVAITNVVPMNIPGQGTETIRVMFNGLPP.QPQAYQLEQPARLILDFDK    | 70 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | .MNHVFRQFSMGAV..AI.....AIMQVASAQVSMNTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDK    | 70 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | .MNHVFRQFSMGAV..AI.....AIMQVASAQVSMNTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDK    | 70 |
| NTDB id 387574 FOB45 RS21820 WP 167517291.1 | MLHKTILQRVSGKSALTILAILLS.GICPSLLLAADLKALNVASLPGDRVELKLSFDQPVV.T.APQGYTIEQPARIALDLPG | 78 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | .....MNSGLSRLGIALLL.A.AMFAPALLAADLEKLDVVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPG     | 69 |
| consensus                                   | * ** * * ** ** * ** * ** * ! ** ! ** *** ! !*** ! *                                 |    |

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|---------------------------------------------|--------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | TDMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTAGSIYSLVLNGKSNDFENS.....         | 136 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | TDMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTAGSVYSLVLNGKSNDFENS.....         | 136 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | AGQKLA..KSLIPVTITNEASSIDVSSDDKRARVVVNLKDAGFTTRVEGNVFILKINNIIQSTATPV.....       | 134 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | AQQGLK..QSKI SVATNEASSVDVTSDDQRSRLTVNLKDAGFTTRVEGNVFILKINSAQTSNKPL.....        | 134 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | AQQGLK..QSKI SVATNEASSVDVTSDDQRSRLTVNLKDTGFTTRVEGNVFILKINSAQTSNKPL.....        | 134 |
| NTDB id 387574 FOB45 RS21820 WP 167517291.1 | VNNKLG..VRNKELGSGNARSVTVEAGDRTRLIVNLTLALPYSTRVQGNDFVVGDDQAARTTSASVPAPSLPRSGAA  | 156 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | VQNKLG..TKNRELSVGNTRSVTVVEAKDRTRLINLTTLSSYTRVEGNLNFVVVGNSPAGASVASTAPVKASPAPASY | 147 |
| consensus                                   | ** * ** *** * !* ** * !* !***** !* * ***** *                                   |     |

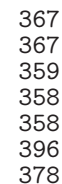
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| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | ....ATS.....APAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPDVDVQQQGSKVVRFPGIKIPHTLARRLNTT       | 200 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | ....PVV.....S.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPDVDVQQQGSKVVIRTIGTKIPHTLARRLNVN      | 199 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | ....PVV.....S.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPDVDVQQQGSKVVIRTIGTKIPHTLARRLNVN      | 199 |
| NTDB id 387574 FOB45 RS21820 WP 167517291.1 | QAPAPATNPAGRVFSSVPRLAGKAIRNIDFKRGDDGEGNVITIDLSETGISPDIEQGGGKIRLNFQKTLQPDALRVRLDVK | 236 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | AQP.....IKPKPYVPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIEQGGGKIRLDFAKTQLPDALRVRLDVK      | 218 |
| consensus                                   | * ****!* !***** ** ! !***** ****!* !***** **** * * !* !* !*                       |     |

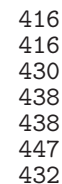
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| NTDB id 1257 GC085 RS04855 WP 163621000.1   | DFHSPVQIITMQQEGKKVRMTILSKGDYGHFVYQVQNKQFMVDVFPPLTAAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQ | 287 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | DFATPVASIDSYNDGSNGVISIQSTGSYEYMAQAEENKLTISLKRQDNVR.LNSKNNQNYTGKKISLDFQDIEVRRVLQ    | 279 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | DFATPVSSIDAYNDKGVGVITIQSSGSYEYMAQAEENKLTISLKRQDNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQ     | 278 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | DFATPVSSIDAYNDKGVGVITIQSSGSYEYMAQAEENKLTISLKRQDNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQ     | 278 |
| NTDB id 387574 FOB45 RS21820 WP 167517291.1 | DFATPVQFVNASSQAGDVTITIEPTGVYDYLAYQENKLTISVKPLTAKEKEQRAAERTYTGEKLSLNFQDIDVRSVLQ     | 316 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | DFATPVQFVNASSQSDRTSITIEPSGLYDYLVIYQTNRLTIVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQ  | 298 |
| consensus                                   | !***** * * *** **** !* !***** !***** ***** ** * **** !* !* !* !* !* !* !* !*       |     |

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NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 387574 FOB45 RS21820 WP 167517291.1
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consensus
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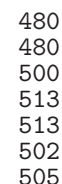
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consensus
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consensus

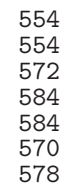
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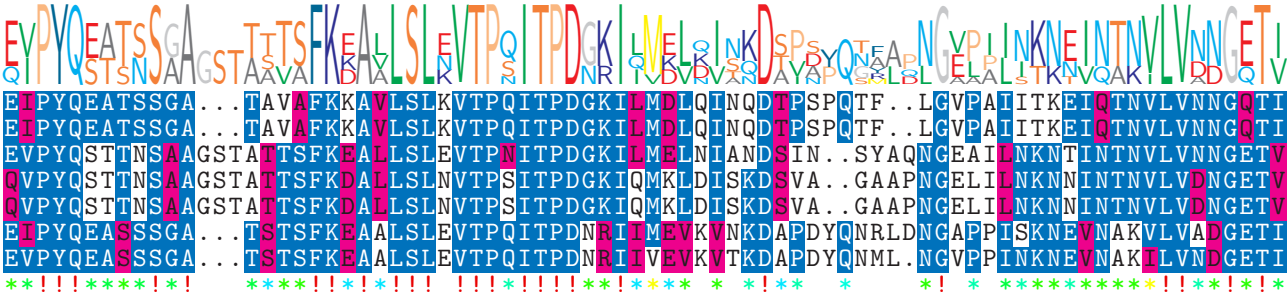
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NTDB id 387574 FOB45 RS21820 WP 167517291.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

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



629  
629  
650  
662  
662  
647  
654

logo

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NTDB id 1257 GC085 RS04855 WP 163621000.1  
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NTDB id 387574 FOB45 RS21820 WP 167517291.1  
NTDB id 1193 PAKAF RS26665 WP 003161249.1  
consensus



698  
698  
709  
721  
721  
707  
714

X non conserved  
X similar  
X ≥ 50% conserved