

logo

|                                              |                                                                                   |    |
|----------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 595 KW2 RS08725 WP 021037687.1       | MEKILDKLKEYWKIMLVVCAIIAGGIFYIFTNSPKPAETLSVENLSSSSSTKSSVSKFNSSSSSEKNKNEIMVDLKGAVAK | 80 |
| NTDB id 1014 ACIAD RS13855 WP 004924483.1    | .....MSIRHFFTFWFATLLTLFSMQ.....                                                   | 21 |
| NTDB id 1362 HI 1008 AAC22669.1              | .....MKTLFTSVV..LCGA.....                                                         | 13 |
| NTDB id 1054688 BCU28 RS05890 WP 010439527.1 | .....MRTIYSTLLLS..F.....                                                          | 13 |
| NTDB id 1159 ABDM36 RS04765 WP 001166105.1   | .....MQIKTKIVTLFSLCLP.....                                                        | 17 |
| NTDB id 1150 A1552VC RS08580 WP 001166105.1  | .....MQIKTKIVTLFSLCLP.....                                                        | 17 |
| NTDB id 1395 DSB67 RS04445 WP 010649155.1    | .....MKWMLTLCLL.....                                                              | 10 |
| NTDB id 1294 VP RS04495 WP 021449594.1       | .....MKWMLTLCLLV.....                                                             | 10 |
| consensus                                    | *** **** * *                                                                      |    |

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|----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 595 KW2 RS08725 WP 021037687.1       | PNVYQISSDERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSSSESTDSPSGSSVSNQ.ISTTSGPKVNI | 159 |
| NTDB id 1014 ACIAD RS13855 WP 004924483.1    | .....IVFAQGFDDQYDAWKTTQK..AH.....DTRLNSSA.....SHHSLSKPTQQSGTGKVN                  | 70  |
| NTDB id 1362 HI 1008 AAC22669.1              | .....LVVSSSFABEKATXQTAQ.....SV.....VTTQABEQVAPAVVSDKLN                            | 53  |
| NTDB id 1054688 BCU28 RS05890 WP 010439527.1 | .....ITLSAGVFADSPTK.....AEL.YDGIETVNI                                             | 40  |
| NTDB id 1159 ABDM36 RS04765 WP 001166105.1   | .....TIPLLANABETAPA.....AQV.EEGIVITVNI                                            | 44  |
| NTDB id 1150 A1552VC RS08580 WP 001166105.1  | .....TIPLLANABETAPA.....AQV.EEGIVITVNI                                            | 44  |
| NTDB id 1395 DSB67 RS04445 WP 010649155.1    | .....TLAPMSWAE.TKTK.....ADK.YEGIEITVNV                                            | 36  |
| NTDB id 1294 VP RS04495 WP 021449594.1       | .....VFAPLSLAA..DTK.....ADK.YEGIEITVNI                                            | 35  |
| consensus                                    | *** * ** * **** * *                                                               |     |

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|----------------------------------------------|---------------------------------------------------------------|-----|
| NTDB id 595 KW2 RS08725 WP 021037687.1       | NKADLTEIQK.LTGIGQKKAQDIDFRMKNCDFKSIEDLGKVSQFGDKTIEKLEKDEISID  | 218 |
| NTDB id 1014 ACIAD RS13855 WP 004924483.1    | NSATAKELQQ.LHGVGEKKALAIVEYRQQYCKFASVDDLQKVKGIGPKFIEKNRDRIAT.  | 128 |
| NTDB id 1362 HI 1008 AAC22669.1              | NTATASEIQKSLTGICAKKAEIVQYREKHGCFXNAEQQLLEVQGIGKATIEKNRDRIIF.  | 112 |
| NTDB id 1054688 BCU28 RS05890 WP 010439527.1 | NKATAEELSALLVGVCDKKAQEIVDYRDKHCAFTKPSDLVNVKGIGEATVEKNREIRIQL. | 99  |
| NTDB id 1159 ABDM36 RS04765 WP 001166105.1   | NTASAEELATLLKGIGLKKQAQIVDYREANGPPTHIDDLTNVKGIGEATVRNNAARILL.  | 103 |
| NTDB id 1150 A1552VC RS08580 WP 001166105.1  | NTASAEELATLLKGIGLKKQAQIVDYREANGPPTHIDDLTNVKGIGEATVRNNAARILL.  | 103 |
| NTDB id 1395 DSB67 RS04445 WP 010649155.1    | NSATAQEIATLLIGIGEKKAQDIVBYRNEHCPFKTAADLTNKGIGEATVRKNEDRIIL.   | 95  |
| NTDB id 1294 VP RS04495 WP 021449594.1       | NTASAEELATMLKGIGEKKAQSIVDYRTEHCPFKTAADLTNKGIGEATVRKNEDRIIL.   | 94  |
| consensus                                    | !*!*** !* *! !*! !!!* !***! ! ! **! !*!*!***** ** *****       |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved