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|                                               |                                                                                      |    |
|-----------------------------------------------|--------------------------------------------------------------------------------------|----|
| NTDB id 1274 LPP RS09530 WP 011214168.1       | .....MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAAT.....      | 69 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1     | .....MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAAT.....      | 69 |
| NTDB id 1071244 ACG4I3 RS02330 WP 000649326.1 | MKAYKNKQKQKGFTLIELMIVVAVIGVLAIAAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT.....    | 75 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1     | MKAYKNKQKQKGFTLIELMIVVAVIGVLAIAAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT.....    | 75 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1   | MKAYKNKQKQKGFTLIELMIVVAVIGVLAIAAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT.....    | 75 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1    | MKAYKNKQKQKGFTLIELMIVVAVIGVLAIAAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT.....    | 75 |
| NTDB id 1292 VP RS12235 WP 005479693.1        | MKHSKQKQKQKGFTLIELMIVVAIIGVLAIAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGI.AAAA.....       | 71 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1     | .....MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSSEISSIKTGYENAVNEGAV.PTKLSD.....     | 68 |
| NTDB id 1192 PAKAF RS23870 WP 024947914.1     | .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALSRGWS.VKSGTGTEDATK     | 74 |
| NTDB id 1197 PSJM300 03940 AFN76866.1         | ...MKAQMKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAINEGKT.PSLTSTD.....      | 71 |
| consensus                                     | ** *** !*!!!!!!!!!!!!!!*!*!!!!*!*!!!!* * * * * * * * * * * * * * * * * * * * * * * * |    |

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| NTDB id 1274 LPP RS09530 WP 011214168.1       | ..GYVSPAAT.PNVASIA.....IGANGVITII.....TYTAAAGGGTIV.MPTTL.QANGDVTWCTGGTLLA      | 127 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1     | ..GYVSPAAT.PNVQSI.....IGANGVITII.....TYTAAAGGGTII.MPTTL.QANGDVTWCTGGTLLA       | 127 |
| NTDB id 1071244 ACG4I3 RS02330 WP 000649326.1 | .....AAGFTRLGTVED.....MGDGKIVIIAPTASGALGGTIKYT.F.DAGVSSSKIQLAR.DANGLWTCST.TVTS | 139 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1     | .....AAGFTRLGTVED.....MGDGKIVIIAPTASGALGGTIKYT.F.DAGVSSSKIQLAR.DANGLWTCST.TVTS | 139 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1   | .....AAGFTRLGTVED.....MGDGKIVIIAPTASGALGGTIKYT.F.DAGVSSSKIQLAR.DANGLWTCST.TVTS | 139 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1    | .....AAGFTRLGTVED.....MGDGKIVIIAPTASGALGGTIKYT.F.DAGVSSSKIQLAR.DANGLWTCST.TVTS | 139 |
| NTDB id 1292 VP RS12235 WP 005479693.1        | TLAQ LGVDVAAND LGAIDSAL...AGGSPTL.....TFT.FDADSSIDGGILTFTR.DAATGWSCLP.TAPA     | 132 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1     | ...VGFTTAATSSVCATYSIDAFTETDGAGKI.....TCTLK..GNPKIATKIVELTR.STDGAWTCVS.DVPT     | 129 |
| NTDB id 1192 PAKAF RS23870 WP 024947914.1     | KEVPLGVAADANKLGTIA.LKP.DPADGTADIT.....LTFTMGGAGPKNKGKIITLTRTAADGLWKCTS.DQDE    | 141 |
| NTDB id 1197 PSJM300 03940 AFN76866.1         | .EGYIGITDS.TSYCDVD.LD..TAADGHI.....ECTAKGGNACKFDGKTIITLNR.TADGEWSCAS.TLDA      | 131 |
| consensus                                     | * *** ***** **! * * * * * * * * * * * * * * * * * * * * * * * * * * * * *      |     |

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| NTDB id 1274 LPP RS09530 WP 011214168.1       | KYRPASCRP.....       | 136 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1     | KYRPASCRP.....       | 136 |
| NTDB id 1071244 ACG4I3 RS02330 WP 000649326.1 | EIAPKGCTAGATIN.....  | 153 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1     | EIAPKGCTAGATIN.....  | 153 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1   | EIAPKGCTAGATIN.....  | 153 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1    | EIAPKGCTAGATIN.....  | 153 |
| NTDB id 1292 VP RS12235 WP 005479693.1        | IA.VDGCS.....        | 139 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1     | EFLPKGCTAGTPTEGAITSL | 149 |
| NTDB id 1192 PAKAF RS23870 WP 024947914.1     | QFIPKGCSK.....       | 150 |
| NTDB id 1197 PSJM300 03940 AFN76866.1         | KYKPKGCS.....        | 139 |
| consensus                                     | ** * * * ! * * * *   |     |

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