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|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1274 LPP RS09530 WP 011214168.1     | .....MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQA.....     | 67 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1   | .....MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQA.....     | 67 |
| NTDB id 1292 VP RS12235 WP 005479693.1      | MKHSKQKKQKGFTLIELMIVVAIIGVLA AAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGIAAAA.....     | 71 |
| NTDB id 26288 VC395 RS12570 WP 000649326.1  | MKAYKKNKQKGFTLIELMIVVAVIGVLA AIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT | 80 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1   | MKAYKKNKQKGFTLIELMIVVAVIGVLA AIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT | 80 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1 | MKAYKKNKQKGFTLIELMIVVAVIGVLA AIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT | 80 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1  | MKAYKKNKQKGFTLIELMIVVAVIGVLA AIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT | 80 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1   | .....MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSNQVNSGFSEISSIKTGYENAVNEGAVPTKLS.....    | 68 |
| NTDB id 1192 PA4525 NP 253215.1             | .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALATINPLKTTVEESLSRGIAGSKIKIGTTASTA  | 75 |
| NTDB id 1197 PSJM300 03940 AFN76866.1       | ...MKAQMKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAINEGKTPSLT.....ST     | 70 |
| consensus                                   | ** *** !*!!!!!!!!!!!!!!*!*!!!!*!*!*!*!* * * * * * * * * * * * * * * * * * *       |    |

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1274 LPP RS09530 WP 011214168.1     | ATGYVSPAAT...PNVASIAIGANGVITITYTAAAGGGTI...VMTPTLQANGDVTWTCTGGTLLAKYRPASCRP.....  | 136 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1   | ATGYVSPAAT...PNVQSIAGANGVITITYTAAAGGGTI...IMTPTLQANGDVTWTCTGGTLLAKYRPASCRP.....   | 136 |
| NTDB id 1292 VP RS12235 WP 005479693.1      | TLAQLGVQVAANDLGAIDSALA.GGSPTLITFTFD...ADSSIDGGILTFTRDAATGWSCLP.TAPA.IAVDGC.....   | 139 |
| NTDB id 26288 VC395 RS12570 WP 000649326.1  | RLGTV..EDMGDCKIVIAPTASGALGGTIKYTFD...AGVVSSSKIQLARDANGLWTCST.TVTSEIAPKGCTAGATIN   | 153 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1   | RLGTV..EDMGDCKIVIAPTASGALGGTIKYTFD...AGVVSSSKIQLARDANGLWTCST.TVTSEIAPKGCTAGATIN   | 153 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1 | RLGTV..EDMGDCKIVIAPTASGALGGTIKYTFD...AGVVSSSKIQLARDANGLWTCST.TVTSEIAPKGCTAGATIN   | 153 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1  | RLGTV..EDMGDCKIVIAPTASGALGGTIKYTFD...AGVVSSSKIQLARDANGLWTCST.TVTSEIAPKGCTAGATIN   | 153 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1   | .VGFTAATSSVCATYSIDAFTETDGAGKITCTLK...GNPKIATKIVELTRSTDGAWTCVS.DVPTTEFLPKGCTAGTPTE | 143 |
| NTDB id 1192 PA4525 NP 253215.1             | TETVYGVEPDANKLGVIAVAIEDSGAGDITFTFQTGTS SPKNATKVITLNRADGVWACKS.TQDPMFTPKGCDN.....  | 149 |
| NTDB id 1197 PSJM300 03940 AFN76866.1       | DEGYIGITDSTSY...CDVDLDTAADGHIETAK.GGNAGKFDGKTITLNRADGEWSCAS.TLDAKYKPGKCS.....     | 139 |
| consensus                                   | ***** ** * * **** * *****!!** ** * * **** *****!!*!*** * *****!!***               |     |

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|---------------------------------------------|--------|-----|
| NTDB id 1274 LPP RS09530 WP 011214168.1     | GAITSL | 136 |
| NTDB id 1258 GC085 RS09745 WP 014844212.1   | GAITSL | 136 |
| NTDB id 1292 VP RS12235 WP 005479693.1      | GAITSL | 139 |
| NTDB id 26288 VC395 RS12570 WP 000649326.1  | GAITSL | 153 |
| NTDB id 1184 GTF74 RS02335 WP 000649326.1   | GAITSL | 153 |
| NTDB id 1167 A1552VC RS11065 WP 000649326.1 | GAITSL | 153 |
| NTDB id 1160 ABDM36 RS02330 WP 000649326.1  | GAITSL | 153 |
| NTDB id 1038 HON27 RS01510 WP 000993725.1   | GAITSL | 149 |
| NTDB id 1192 PA4525 NP 253215.1             | GAITSL | 149 |
| NTDB id 1197 PSJM300 03940 AFN76866.1       | GAITSL | 139 |
| consensus                                   |        |     |

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