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|--|-----------------|---|----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | ... | MEINQYLD.G.MITHKASDLYITVIGAPILYRVDCETRAQGEAL.SVADVTALIHAMMDARQAEEFKQTRFANFAVV | 73 |
| NTDB id 1203 PSJM300 01605 AFN76401.1 | ... | MEFEKLLR.L.MVEKGGSDLFITAGVPPSMKVNKILPVMKTPMSPEMTRETIVHGVNMQRRREFTENHECNFAIS | 74 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1 | ... | MDFNLLN.L.MAKHKASDLFITAGVPPSLKINGEITPWSKTKLDGDMIAQLIDSITTKQRQEFLETHECNFAIL | 74 |
| NTDB id 40291 SAR11G3 RS01075 WP 013694877.1 | ... | MFEKLEELAKNNKKISDFHRSGLPLAYRQTCEVTVKIDILVKAQDLQDLIMSTNCNETTKKFKETHELDSAVM | 74 |
| NTDB id 1307 DR RS10055 WP 010888596.1 | MTSGIDITDILR.L. | AADKASDITLAAGLPPQFKLSGQDYDAQGFEPISASDTRKLMYSMMNERQQRIFEEKRELDIFSFA | 78 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1 | ... | MQITDLLA.F.GAKNKASDLHLSGICSPMIRVHCDMRRINLPMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFE | 74 |
| NTDB id 1086 NMV RS00245 WP 002218487.1 | ... | MQITDLLA.F.GAKNKASDLHLSGICSPMIRVHCDMRRINLPMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFE | 74 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1 | ... | MDIAELLE.F.SVKHNASDLHLSAGVPPMVRIDGEVRKLGVPFTHSVHRLIFEIMNDAQRSEYEEKLEVDFSFE | 74 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | ... | MDIAELLE.F.SVKHNASDLHLSAGVPPMVRIDGEVRKLGVPFTHSVHRLIFEIMNDAQRSEYEEKLEVDFSFE | 74 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1 | ... | MDIAELLA.F.SVKNKSSDLHISAGMPPMIRVDGDLRKNLPPLEHKDVIKIYD IMNDRQRKEYEYEFFETDIFSFE | 74 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1 | ... | MDIAELLA.F.SVKNKSSDLHISAGMPPMIRVDGDLRKNLPPLEHKDVIKIYD IMNDRQRKEYEYEFFETDIFSFE | 74 |
| NTDB id 1202 PSJM300 01600 AFN76400.1 | ... | MDITELLA.F.SAKQGGASDLHLSGICLPPMIRVDGCVRRINLPAMDHKQVHALIYD IMNDKQRKDFEETFLETDIFSFE | 74 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1 | ... | MDITELLA.F.SAKQGGASDLHLSAGLPPMIRVDGCVRRINLPLEHKQVHALIYD IMNDKQRKDFEETFLETDIFSFE | 74 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1 | ... | MDITELLA.F.SVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNL IYD IMNDKQRDYEEKLETDIFSFE | 74 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1 | ... | MDITELLA.F.SVKNGASDLHLSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYD IMNDKQRDYEEKLETDIFSFE | 74 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1 | ... | MDITELLA.F.SVKNGASDLHLSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYD IMNDKQRDYEEKLETDIFSFE | 74 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1 | ... | MDITELLA.F.SVKNGASDLHLSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYD IMNDKQRDYEEKLETDIFSFE | 74 |
| consensus | | *** *!* * ***** *!* *****! *****! ***** * * * * ***** ***** *!* ***** | |

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| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | RD. | SCRFRVSAFFQRELPGAVIRRIETRIPTIFEEELKLPVQLQNLAIARGLVLVVGATGSGKSTTMAAMTYRNRHRTG | 151 |
| NTDB id 1203 PSJM300 01605 AFN76401.1 | ARG. | IGRFRVSAFYQRNLAGMVLRRRIETNIPTIFEDLKLDPVLLKALTKRGLVLFVGCATCTGKSTSLAAMTYRNRKNSG | 153 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1 | NREKNERFRVSAFQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIFSGATCTGKSTSLASMIQHRNRHNSKG | 154 | |
| NTDB id 40291 SAR11G3 RS01075 WP 013694877.1 | LSG. | LRFRANFYKTIKGPAAVLRVRESVIVPEMSQFDLPDVLVDITDMHKGLVLVTGPTGSGKSTTLAATINEINKRTA | 152 |
| NTDB id 1307 DR RS10055 WP 010888596.1 | LGD. | KARFRVNAFMQRGNVCGVMRLIPTVIRTIEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDHINTTKL | 157 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1 | LPN. | VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRCMVLVTGPTGSGKSTTLAAMINYNETQPA | 153 |
| NTDB id 1086 NMV RS00245 WP 002218487.1 | LPN. | VARFRVNAFNIKRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRCMVLVTGPTGSGKSTTLAAMINYNETQPA | 153 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1 | LPN. | VGRFRVNAFHQARGCSAVFRTIPVVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYNAHHNK | 153 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | LPN. | VGRFRVNAFHQARGCSAVFRTIPVVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYNAHHNK | 153 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1 | IAN. | LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYE | 153 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1 | IAN. | LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYE | 153 |
| NTDB id 1202 PSJM300 01600 AFN76400.1 | VPG. | VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKIIDVPRGLVLVTGPTGSGKSTTLAAMDYINNTKYH | 153 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1 | VPG. | VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKIIDVPRGLVLVTGPTGSGKSTTLAAMDYINNTKYH | 153 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1 | VPN. | LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINNHRYD | 153 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1 | VPN. | VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRYD | 153 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1 | VPN. | VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRYD | 153 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1 | VPN. | VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRYD | 153 |
| consensus | | *** *!* !! ***** * * * * *!* *!* ***** *!* *!* *!* *!* *!* *!* *!* *!* *!* *! | |

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| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | MQTFDQALYQLVDDKIS | EQDALHSA | DSANDLRLMLKTKR | .GDDY... | GSGSLQNVKI |DME | | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1 | MQTFDQALYNLYVQGEI | TYEDALLHA | DSSNDLRLMIKLG | .ETDGEHLTSVS | .QGLTL |EMS | DDDPGRSFR.. | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1 | MQTFDQALFDLYDHQHS | YADALKHA | DSPNNLRLQIKLSE | .EANKPLDNRERMSEMER | ..... | KMTFDG | QRRNLK.. | 383 |
| NTDB id 40291 SAR11G3 RS01075 WP 013694877.1 | MITMQKSLDELVNNCKI | DPGACKEH | ..... | ..... | ..... | ..... | ..... | 337 |
| NTDB id 1307 DR RS10055 WP 010888596.1 | MVTMDAYLAGLFRHLIT | YDKGLERA | IDPKEFARLANDASAGLGG | ..... | ASMTPAAPPVPAYNSASSS | STGRGGDFGRG | ..... | 392 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1 | MQTFDQSLQSLVRQGLI | IAPEAARRRA | QNSSESMSF | ..... | ..... | ..... | ..... | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1 | MQTFDQSLQSLVRQGLI | IAPEVARRRA | QNSSESMSF | ..... | ..... | ..... | ..... | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1 | MQTFMEQNAKQLIARCVV | DAQEVQSKI | ELDLKAF | ..... | ..... | ..... | ..... | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | MQTFMEQNAKQLIARCVV | DAQEVQSKI | ELDLKAF | ..... | ..... | ..... | ..... | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1 | MQTFDQHLTELVNKNI | ISKHTAHEA | ALNK.SLF | ..... | ..... | ..... | ..... | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1 | MQTFDQHLTELVNKNI | ISKHTAHEA | ALNK.SLF | ..... | ..... | ..... | ..... | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1 | MQTFDQSLKGLIAKGLI | SRDSAKEKAKQP | .ENF | ..... | ..... | ..... | ..... | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1 | MQTFDQSLKGLIAKGLI | SRENAREKAKIP | .ENF | ..... | ..... | ..... | ..... | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1 | MTTLDQSLKQLIAKGLI | INLPTARAVAKSP | .ESF | ..... | ..... | ..... | ..... | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1 | MTTLDQSLKGLVSRGVI | SPQTARTA | AKQP | .ESFL | ..... | ..... | ..... | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1 | MTTLDQSLKGLVSRGVI | SPQTARTA | AKQP | .ESFL | ..... | ..... | ..... | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1 | MTTLDQSLKGLVSRGVI | SPQTARTA | AKQP | .ESFL | | | | 345 |
| consensus | !*!*** * | !* **** | * | * | * | * | * | |

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| NTDB id 1177 A1552VC RS01165 WP 000422572.1 |PATPAAAGRSEPGRAGGFRR | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1 | | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1 | ..... | 383 |
| NTDB id 40291 SAR11G3 RS01075 WP 013694877.1 | ..... | 337 |
| NTDB id 1307 DR RS10055 WP 010888596.1 | AAAPATPAAPAAGRSEPGRAGGFRR | 418 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1 | ..... | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1 | ..... | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1 | ..... | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | ..... | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1 | ..... | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1 | ..... | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1 | ..... | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1 | ..... | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1 | ..... | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1 | ..... | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1 | ..... | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1 | ..... | 345 |
| consensus | ..... |  |

non conserved
 similar
 ≥ 50% conserved