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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMIITHKASDLYITVGA	PILYRVDCGLRAQGEAL.SVADV	TALTHAMMDARQAEEFKQTR	EANFAVVRD	75			
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVN	KTPMSP	EMTRETIVHGV	MNEQQRR	EFTENHECN	FAISAR	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPV	SKTKLDGMDIAQLIDS	ITTQKQRQEFIE	THECN	FAILNR		76
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITLAACLP	PPQFKISCDYDAQGFEP	LSASDTRKLMYS	MNERQQ	QITFE	EKRELD	DFSFAIG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHCDMRRINLP	EMSAAEEVGNM	VTSVMNDH	QRKIYQ	QNLEVD	DFSFEIP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHCDMRRINLP	EMSAAEEVGNM	VTSVMNDH	QRKIYQ	QNLEVD	DFSFEIP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGV	PPMVRIDGEVRKLGVP	PAFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVD	DFSFEIP		76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGV	PPMVRIDGEVRKLGVP	PAFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVD	DFSFEIP		76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGKSSDLHISAC	MPMIRVDGDLRKINLPP	LEHKDVIKITIID	IMNDRQRKEYE	EFFETD	DFSFEIA		76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGKSSDLHISAC	MPMIRVDGDLRKINLPP	LEHKDVIKITIID	IMNDRQRKEYE	EFFETD	DFSFEIA		76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKKGASDLHLSSG	ILPPMIRVDGCVRRINLP	AMDHKQVHALIYD	IMNDKQRKDFEE	FLET	DFSFEVP		76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKKGASDLHLSAGL	PPMIRVDGCVRRINLPP	LEHKQVHALIYD	IMNDKQRKDFEE	FLET	DFSFEVP		76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLSAGI	PPMIRVDGEVRRINLP	AMDHSEVHNLIYD	IMNDKQR	RDYEEK	LET	DFSFEVP	76
NTDB id 998758 ABDZ17 RS14095 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINLP	ALEHKDVHRLVYD	IMNDKQR	RDYEEK	LET	DFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINLP	ALEHKDVHRLVYD	IMNDKQR	RDYEEK	LET	DFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINLP	ALEHKDVHRLVYD	IMNDKQR	RDYEEK	LET	DFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINLP	ALEHKDVHRLVYD	IMNDKQR	RDYEEK	LET	DFSFEVP	76
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAF	FNQRCAGAVERT	IPSYLTEDLGLPIFKKIA	PRGLVLTGPTGSGKSTTLAAM	LDYIN	ENTRYD	HI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	GVARFRVSAFFQRELP	GAVIRRIETIRIPTFEEL	KLPEVLQNLAI	AKRGLVLVVGATGSGKSTT	MAAMTGYRN	QHHTGHI		155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMP	PGMIRRIETIKIPSPDDL	LHLPPIELKEL	AMSKRGITIFS	CATCTGKSTSL	ASMIQHRN	QHSKGHI	156
NTDB id 1307 DR RS10055 WP 010888596.1	DVARFRVNAFMQRGNV	CGVMRLIPTTVRTIAEM	GLPQTVIDIAN	APRGLVLVTGPTGSGKSTTL	ASMDHINTT	KKLHI		159
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNIGRGP	AAVFRITIPSTVL	SLEELKAPSI	FQKIAESPRGM	VLVTGPTGSGKSTTL	AAMIN	INETQPAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNTGRGP	AAVFRITIPSTVL	SLEELKAPSI	FQKIAESPRGM	VLVTGPTGSGKSTTL	AAMIN	INETQPAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVARFRVNAFHQARGC	SAVFRITIP	TVIPTLEQLDAPE	IFSKIANYEK	GLVLVTGPTGSGKSTTL	AAMVNY	NAHHNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVARFRVNAFHQARGC	SAVFRITIP	TVIPTLEQLDAPE	IFSKIANYEK	GLVLVTGPTGSGKSTTL	AAMVNY	NAHHNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NVARFRVNAFNQSRGAA	AVFRITIPSEIL	SMEDLGLPPI	FKEMASFSRGL	VLVTGPTGSGKSTTL	AAMVDYIN	SSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	NVARFRVNAFNQSRGAA	AVFRITIPSEIL	SMEDLGLPPI	FKEMASFSRGL	VLVTGPTGSGKSTTL	AAMVDYIN	SSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	NTKYHHI		155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	NTKYHHI		155
NTDB id 1020 ACIAD RS04210 WP 011182164.1	NVARFRVNVFNQNRGAG	AVFRITIPSKVLT	LEELGLGKIF	RDICDYPRGLVLVTGPTGSGKSTTL	AAMDYIN	NHRYDHI		155
NTDB id 998758 ABDZ17 RS14095 WP 000355489.1	NVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	ENRYDHI		155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	ENRYDHI		155
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	ENRYDHI		155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQNRGAG	AVFRITIPSKVLT	MEELCMGEVFRKI	TDVPRGLVLVTGPTGSGKSTTL	AAMDYIN	ENRYDHI		155
consensus	*	*****!*****!	*!*!*****!	*****!	*****!	*****!	*****!	*****!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVDDKISEQDALHSADSANLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLS.EEANKPLDNRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKLFARLANDASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCLGGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLIAKGLINLPTARAVAKSP.ESF.....	344
NTDB id 998758 ABDZ17 RS14095 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * !* **** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFGR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	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 998758 ABDZ17 RS14095 WP 000355489.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus		

- ⓧ non conserved
- ✖ similar
- ⓧ ≥ 50% conserved