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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQAEEFKQ	TREANFAVVRD	75						
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQQRREFTENHECNFAISAR	76						
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKTNGEITPVSKTK	LDGDMIAQLIDSITTQKQRQEF	ETHECNFAILNR	76						
NTDB id 300635 DRB02 RS04100 WP 002916609.1	MKLEEIVALS	SVKHNVSDHLHCNSAAPRWRRQGRLQPAPFP...APDTIANLLNDWLDAAQLLHWQEHGQIDFALT	TLA		73						
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAAAGLP	PQFKLSG	DYDAQGFEP	SASDTRKLMYSMMNERQQRIFE	EKRELD	DFS	FAL	G	80		
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP			76		
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP			76		
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGVPPMVR	IDGEVRKLGVP	AFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP			76		
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGVPPMVR	IDGEVRKLGVP	AFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP			76		
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDG	DLRKNINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FEIA		76		
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDG	DLRKNINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FEIA		76		
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDG	DVRRINLP	PAMDHKQV	HALIYD	IMNDKQRKDFEE	FLETDFS	SFEVP		76		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDG	DVRRINLP	PAMDHKQV	HALIYD	IMNDKQRKDFEE	FLETDFS	SFEVP		76		
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAGIPPMIRVDG	EVRRINLP	PAMDHSEVHNLIYD	IMNDKQR	RDYEEKLE	TD	SFEVP		76		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	TD	SFEVP		76		
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	TD	SFEVP		76		
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	TD	SFEVP		76		
consensus	***	*****	*!*****	*****	*****	*	*	*	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GFRFRVSAFFQ	RELPGAVIRRIET	RIPTFEELKL	PEVLQNLAI	AKRGLVLVVGAT	TGSGKSTTMAAMTGYRNQHR	RTGHI	153				
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	IGRFRVSAFYQ	RNLAGMVLRR	IETNIPTIEDL	KLKLPDVLK	KLALTKRGLVLFVGA	TGTGKSTSLAAMIGYRNKNSSGHI		155				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	FRVSAFQQRDMP	GMVIRRIETKIP	SPDDLHLPP	ILKELAMSKRG	IIIFSGATGTGKSTSLASMIQHRNQHSGKHI		156					
NTDB id 300635 DRB02 RS04100 WP 002916609.1	C.	GARLRASAF	AHTRGISLVLRL	LPEQCPRIDTL	GAPPALSETLAEESGL	LLVTGATGTSGKSTTLAAMVGHINQHLDGHI		152					
NTDB id 1307 DR RS10055 WP 010888596.1	D.	KARFRVNAFMQR	GNVGGVMRLIPT	TVRTIAEMGLP	QTVIDIANAPRGLVL	VTGPTGTSGKSTTLASMDHINTTKKLHI		159					
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	VARFRVNAFNIGRGP	AAVFRTIPSTVLSLEEL	KAPSI	IFQKIAESPRGMVL	VTGPTGTSGKSTTLAAMINYNINETQPAHI		155					
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	VARFRVNAFNTGRGP	AAVFRTIPSTVLSLEEL	KAPSI	IFQKIAESPRGMVL	VTGPTGTSGKSTTLAAMINYNINETQPAHI		155					
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	VGRFRVNAFHQA	RGCSAVFRTIPTV	IPTLEQLDAPE	IFSKIANYEKGLVL	VTGPTGTSGKSTTLAAMVYNNAHNNKHI		155					
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	VGRFRVNAFHQA	RGCSAVFRTIPTV	IPTLEQLDAPE	IFSKIANYEKGLVL	VTGPTGTSGKSTTLAAMVYNNAHNNKHI		155					
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	LARFRVNAFNQSRGA	AAVFRTIPSEILSMED	LGLPPIFKEMAS	FSRGLVL	VTGPTGTSGKSTTLAAVIDYINSSRYEHI		155					
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	LARFRVNAFNQSRGA	AAVFRTIPSEILSMED	LGLPPIFKEMAS	FSRGLVL	VTGPTGTSGKSTTLAAVIDYINSSRYEHI		155					
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	VARFRVNAFNQNRGA	AVFRTIPSKVLT	MEDLGMGEVFRK	ITDVP	RGLVL	VTGPTGTSGKSTTLAAMDYLNNTKYHHI		155				
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	VARFRVNAFNQNRGA	AVFRTIPSKVLT	MEDLGMGEVFRK	ITDVP	RGLVL	VTGPTGTSGKSTTLAAMDYLNNTKYHHI		155				
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	LARFRVNVFNQNRGA	AVFRTIPSKVLT	LEELGLGKIFRD	ICDYPRGLVL	VTGPTGTSGKSTTLAAMDYINNHRDYHI		155					
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	VARFRVNAFNQNRGA	AVFRTIPSKVLT	MEDLGLGQIFKD	ICDYPRGIVL	VTGPTGTSGKSTTLAAMDYINENRYDHI		155					
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	VARFRVNAFNQNRGA	AVFRTIPSKVLT	MEDLGLGQIFKD	ICDYPRGIVL	VTGPTGTSGKSTTLAAMDYINENRYDHI		155					
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	VARFRVNAFNQNRGA	AVFRTIPSKVLT	MEDLGLGQIFKD	ICDYPRGIVL	VTGPTGTSGKSTTLAAMDYINENRYDHI		155					
consensus	*	***!*****	*	*	***!*****	*****	***	*	*****	*****	***!*****	*	!!

NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 300635 DRB02 RS04100 WP 002916609.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1203 PSJM300 01605 AFN76401.1
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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSE.EANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 300635 DRB02 RS04100 WP 002916609.1	TFTQSFQQCVAAGAL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSEF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSEF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCGRAGGFCRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 300635 DRB02 RS04100 WP 002916609.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFCRR	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 GC085 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 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