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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMIITHKASDLYITVGA	ILYRVDGELRAQGEAL.SVADVTAL	IHAMMDARQAEFKQTR	EANFAVVRD	75								
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGCSDLFITAGV	PPSMKVNGKILPVNKT	PMSPEMTRET	VHGVMEQQQRREFTENHECNFAISAR	76								
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	PSLKINGEITPVSKTKLDGDM	IAQLIDSIT	TQKQRQEFIE	THECNFAILNR	76							
NTDB id 989858 AAHW62 RS03805 WP 008806466.1	MKLEEIVALS	SVKHNVS	SDLHL	CNSAAPRWRRQCKLE	PAPFPAP...DIPDLLHCWLDAAQLQHWEQGGIDFALTTA	73							
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLA	ADKGASDITLAAGLPPQFKLS	CDYDAQGFEPISASD	TRKLMYS	SMNERQQRI	FEEKRELD	DFSFAIG	80					
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHCDMRRINLP	EMSAEEVGNM	VTSVMNDHQRKI	YQQNLE	VDFSFE	FELP	76					
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHCDMRRINLP	EMSAEEVGNM	VTSVMNDHQRKI	YQQNLE	VDFSFE	FELP	76					
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAC	VPPMVRIDGEVRKLG	VPAFTHSDVHRL	LIFEIMNDAQRSE	YEEKLE	VDFSFE	FELP	76					
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAC	VPPMVRIDGEVRKLG	VPAFTHSDVHRL	LIFEIMNDAQRSE	YEEKLE	VDFSFE	FELP	76					
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAGMPPMIRVDG	DLRKINLP	LEHKKDV	IKIYD	IMNDRQRKE	YEEFFET	D	DFSFEIA	76			
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAGMPPMIRVDG	DLRKINLP	LEHKKDV	IKIYD	IMNDRQRKE	YEEFFET	D	DFSFEIA	76			
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLSSG	LPPMIRVDG	CDVRRINLP	AMDHKKQV	HALIYD	IMNDKQRK	DFEEFLE	T	D	DFSFEVP	76		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGASDLHLSAC	LPPMIRVDG	CDVRRINLP	PLEHKKQV	HALIYD	IMNDKQRK	DFEEFLE	T	D	DFSFEVP	76		
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLSAC	LPPMIRVDG	EVRRINLP	AMDHSEVHNLI	YD	IMNDKQR	RDYEEKLE	T	D	DFSFEVP	76		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAC	MPPMIRVDG	EVRRINLP	PALEHKKDV	HRLVYD	IMNDKQR	RDYEEKLE	T	D	DFSFEVP	76		
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAC	MPPMIRVDG	EVRRINLP	PALEHKKDV	HRLVYD	IMNDKQR	RDYEEKLE	T	D	DFSFEVP	76		
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAC	MPPMIRVDG	EVRRINLP	PALEHKKDV	HRLVYD	IMNDKQR	RDYEEKLE	T	D	DFSFEVP	76		
consensus	***	*****	*!*****	*****	*****	*	*	*	*	*****	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAI	AKRGLVLVVGATGSGKSTTMAAMTGYRNQHRITGHI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	G.IGRFRVSAFYQRNLAGMVLRRRIETINIPTIEDLKLDPDVLK	KLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFGQRDMPCGMVIRRIETIKIPSPDDLHLPPI	LKELAMSKRGITIFSGATGTGKSTSLASMIQHRNQHSKGHI	156
NTDB id 989858 AAHW62 RS03805 WP 008806466.1	C.GIRLRASAF	AHTRGISLVRLLEQCPRLLETGAPALSELAEESGLLLVTGATGSGKSTTLAAMVGH	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQRGNVCGVMRLIPTTVRTIAEMGLPQTVIDI	ANAPRGLVLVTGPTGSGKSTTLASMDIHINTTKLHI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N.VARFRVNAFNIGRCPAAVFR	TIPSTVLSLEELKAPSI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.VARFRVNAFNTGRCPAAVFR	TIPSTVLSLEELKAPSI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.VGRFRVNAFHQARGCSAVFR	TIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAH	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.VGRFRVNAFHQARGCSAVFR	TIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAH	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.LARFRVNAFNQSRGAAVFR	TIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYNSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.LARFRVNAFNQSRGAAVFR	TIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYNSSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G.VARFRVNAFNQNRGAGAVFR	TIPSKVLTMEDLCMGEVFRKLT	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.VARFRVNAFNQNRGAGAVFR	TIPSKVLTMEDLCMGEVFRKLT	155
NTDB id 1020 ACIAD RS04210 WP 011182164.1	N.LARFRVNVFNQNRGAGAVFR	TIPSKVLTLEELGLGKIFRDI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.VARFRVNAFNQNRGAGAVFR	TIPSKVLTMEDLGLGQIFKDI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.VARFRVNAFNQNRGAGAVFR	TIPSKVLTMEDLGLGQIFKDI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.VARFRVNAFNQNRGAGAVFR	TIPSKVLTMEDLGLGQIFKDI	155
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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 989858 AAHW62 RS03805 WP 008806466.1
NTDB id 1307 DR RS10055 WP 010888596.1
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 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 989858 AAHW62 RS03805 WP 008806466.1
NTDB id 1307 DR RS10055 WP 010888596.1
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 ACE17R 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 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVDDKLTSEQDALHSADSANDLRLMLKTKR.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 989858 AAHW62 RS03805 WP 008806466.1	TFTQSFQQRVAAGEL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG.....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	TMEQNAKQLIARCVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARCVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNTISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	TLDQHLTELVNKNTISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKGLIAKGLINLPTARAVAKSP.ESF.....	344
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
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFORR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 989858 AAHW62 RS03805 WP 008806466.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFORR	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 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