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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQA	EFKQ	TREANFAVVRD	75					
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	PMSP	EMTRET	VHGV	MNEQQRREFTENHECNFAISAR	76				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPV	SKTKLDGDMIAQLIDSITTQK	QRQFEI	ETHECNFAILNR	76				
NTDB id 162092 AGG09 RS15045 WP 004149811.1	MKLEEIVALS	SVKHNVS	SDLHLCNSA	APRWRRQGRLE	PAPF...PAPDTIANLLNDWLDAAQ	LLHWQEHGQIDFALNLA	73				
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAA	GLPPQFKLSG	DYDAQGFEL	SASD	TRKLMYSMMNERQQRIF	EFEKRELD	DFS	FAL	G	80	
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINL	PEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP		76	
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINL	PEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP		76	
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGV	PPMVRIDGEVRKLG	VPAFTHSD	VHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP			76	
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGV	PPMVRIDGEVRKLG	VPAFTHSD	VHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP			76	
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGM	PPMIRVDGLRKN	INLP	PLEHKDV	IKI	IYD	IMNDRQRKE	YEEFF	FETDFS	FEIA	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGM	PPMIRVDGLRKN	INLP	PLEHKDV	IKI	IYD	IMNDRQRKE	YEEFF	FETDFS	FEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSG	LPPMIRVDGDVRRINL	PAMDHKQV	HALIYD	IMNDKQRK	D	FEEF	LETDFS	SFEVP		76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSSG	LPPMIRVDGDVRRINL	PAMDHKQV	HALIYD	IMNDKQRK	D	FEEF	LETDFS	SFEVP		76
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAGI	PPMIRVDGEVRRINL	PAMDHSEVHN	LIYD	IMNDKQR	RDYEEK	LETDFS	SFEVP			76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINL	PALEHKDV	HRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP			76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINL	PALEHKDV	HRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP			76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAGM	PPMIRVDGEVRRINL	PALEHKDV	HRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP			76
consensus	***	*****	*!*****	*****	*****	*	*	*	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAF	NQ	RGAGAVERT	PS	YLT	EDLGLPI	FKKIA	PP	RG	LVLVTGPTGSGKSTTLAAM	LYIN	HR	YH		153
NTDB id 1203 PSJM300 01605 AFN76401.1	GIGRFRVSAFYQRNL	AGMVL	RIETNIPT	IEDL	KLPDVL	KKL	ALT	KRGLV	LVFGATGTGKSTSLAAM	IGYRN	KNSSGHI				155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFYQR	DMPCGMVIR	RIETKIP	SPDDL	HLPPI	LKEL	AMSKRGII	IFSGATGTGKSTSLA	SMI	QHRN	QHSGKHI				156
NTDB id 162092 AGG09 RS15045 WP 004149811.1	C.GARLRASAF	AHTRGIS	LVLRLLPE	QCPR	LDMLG	APPAL	SELLAE	ESGLLL	VTGATGSGKSTTLAAM	VGH	LNQ	HL	DGHI		152
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQR	GNVGGVM	RLIPTTV	RTIAEM	GLPQT	VIDIAN	APRGLV	LVLTGPTGSGKSTTLA	SMIDH	INTT	KKLHI				159
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNI	GRGPA	AAVFRTIP	STVLS	LEELK	APSIFQ	KIAESPRGM	VLVTGPTGSGKSTTLA	AMIN	YIN	ETQPAHI				155
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNT	GRGPA	AAVFRTIP	STVLS	LEELK	APSIFQ	KIAESPRGM	VLVTGPTGSGKSTTLA	AMIN	YIN	ETQPAHI				155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVGRFRVNAFHQA	RGCSAV	FRTIPTV	IPTLE	QLDAPE	IFSKIAN	YEKGLV	LVLTGPTGSGKSTTLA	AMVNY	VNAH	HNKHI				155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVGRFRVNAFHQA	RGCSAV	FRTIPTV	IPTLE	QLDAPE	IFSKIAN	YEKGLV	LVLTGPTGSGKSTTLA	AMVNY	VNAH	HNKHI				155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NLARFRVNAFNQ	SRGA	AAVFRTIP	SEIL	SMEDL	GLPPIFK	EMASFSR	GLVLTGPTGSGKSTTLA	AVIDY	INSS	RYEHI				155
NTDB id 1259 GC085 RS10305 WP 010947729.1	NLARFRVNAFNQ	SRGA	AAVFRTIP	SEIL	SMEDL	GLPPIFK	EMASFSR	GLVLTGPTGSGKSTTLA	AVIDY	INSS	RYEHI				155
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMED	LGMGEV	FRKITD	VPRGLV	LVLTGPTGSGKSTTLA	AML	DYLN	NNTKY	HHI			155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GVARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMED	LGMGEV	FRKITD	VPRGLV	LVLTGPTGSGKSTTLA	AML	DYLN	NNTKY	HHI			155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	NLARFRVNVFNQ	NRGAGAV	FRTIPSKV	LTMED	LGLGKIF	RDICD	YPRGLV	LVLTGPTGSGKSTTLA	AML	DYIN	NHRY	DHI			155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMED	LGLGKIF	RDICD	YPRGIV	LVLTGPTGSGKSTTLA	AML	DYIN	NHRY	DHI			155
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMED	LGLGKIF	RDICD	YPRGIV	LVLTGPTGSGKSTTLA	AML	DYIN	NHRY	DHI			155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMED	LGLGKIF	RDICD	YPRGIV	LVLTGPTGSGKSTTLA	AML	DYIN	NHRY	DHI			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 162092 AGG09 RS15045 WP 004149811.1
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
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NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 162092 AGG09 RS15045 WP 004149811.1
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NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
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