

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTA	LLHAMDDARQAEEFKQ	TREANFAVVRD	75								
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRETVHGV	MNEQQRREFTE	NHECNFAISAR	76							
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPVSKTK	LDGDMIAQLIDSITTQK	QRQEFIE	THECNFAILNR	76							
NTDB id 387545 FOB49 RS24070 WP 015703454.1	MELEEIVALS	SVKHNVSDLHCSAYPPRWRR	LGLKLE...PAPFTSPDV	EELTRWLN	DPQLAQWRADGQV	DFALALS	73						
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDIILRLAADKGASDITILAA	GLPPQFKLSGDYDAQGFEL	SASDTRKLMYS	MMNERQQRI	FEEREKRELD	DFS	FALG	80					
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	MTSVMNDHQR	KIYQQN	LEVDFS	FELP	76				
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	MTSVMNDHQR	KIYQQN	LEVDFS	FELP	76				
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDGEVRKLG	VPAFTHS	DVHRLIFE	IMNDAQ	RSEYE	EKE	LEVDFS	FELP	76			
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDGEVRKLG	VPAFTHS	DVHRLIFE	IMNDAQ	RSEYE	EKE	LEVDFS	FELP	76			
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGLRKINL	PPLEHKDVIKII	YDIMNDR	QRKE	YEE	FET	DFS	FETIA	76			
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGLRKINL	PPLEHKDVIKII	YDIMNDR	QRKE	YEE	FET	DFS	FETIA	76			
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSS	GLPPMIRVDGVRRINL	PAMDHKQVHALI	YDIMNDK	QRKD	FEE	FLET	DFS	FVEP	76			
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSS	GLPPMIRVDGVRRINL	PPLEHKQVHALI	YDIMNDK	QRKD	FEE	FLET	DFS	FVEP	76			
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDGEVRRINL	PAMDHSEVHNLI	YDIMNDK	QR	RDY	E	E	KLET	DFS	FVEP	76	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRRINL	PALEHKDVHRL	VYDIMNDK	QR	RDY	E	E	KLET	DFS	FVEP	76	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRRINL	PALEHKDVHRL	VYDIMNDK	QR	RDY	E	E	KLET	DFS	FVEP	76	
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRRINL	PALEHKDVHRL	VYDIMNDK	QR	RDY	E	E	KLET	DFS	FVEP	76	
consensus	***	*****	*!*****	*****	*****	*	*	*	*	*****	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GRFRVSAFFQ	RELPGAVIRRI	ETRIPT	FEELK	PEVLQN	LAI	AKRGLVLV	VVGATG	SGKSTT	MAAMTGY	RNQHRT	GH	153	
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	IGRFRVSAFYQ	RNLAGMVLRR	IETNIPT	IEDL	KLPDVL	KKL	ALTKRGLVLV	FVGATG	TGKSTSLA	AMTGY	RNKNSS	GH	155	
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	FRVSAFQ	QRDMPC	GMVIRRI	ETKIP	SPDDL	HLPPI	LKELAM	SKRGII	IFSGATG	TGKSTSLA	SMI	QHRNQ	SKGH	156
NTDB id 387545 FOB49 RS24070 WP 015703454.1	D.	GPRLRASAF	AHARGLS	LALRL	LPQRC	QIGDL	GAPAA	ALSELL	NEESGL	ILVTGATG	SGKSTT	LAAMV	DYLNQY	RHGH	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.	KARFRVNAFM	QRGNVGG	VMRLIPT	TVRTIA	EMGLP	QTVIDI	ANAPRGL	VLVTGPT	TGSGKSTT	LAAS	MIDH	INTTK	KLHI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	VARFRVNAFN	IGRGP	AAVFRT	IPSTVLS	LEELKAPS	IFQKIA	ESPRGM	VLVTGPT	TGSGKSTT	LAAMIN	YIN	ETQ	PAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	VARFRVNAFN	TGRGP	AAVFRT	IPSTVLS	LEELKAPS	IFQKIA	ESPRGM	VLVTGPT	TGSGKSTT	LAAMIN	YIN	ETQ	PAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	VGRFRVNAFHQ	ARGCS	AVFRTIPT	VIPTLE	QLDAPE	IFSKIAN	YKGLV	LVLTGPT	TGSGKSTT	LAAMV	NYV	NAH	NKH	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	VGRFRVNAFHQ	ARGCS	AVFRTIPT	VIPTLE	QLDAPE	IFSKIAN	YKGLV	LVLTGPT	TGSGKSTT	LAAMV	NYV	NAH	NKH	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	LARFRVNAFNQ	SRGAA	AAVFRT	IPSEIL	SMEDLGL	PIFKEM	ASFSRGL	VLVTGPT	TGSGKSTT	LAAV	IDYIN	SSRY	EH	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	LARFRVNAFNQ	SRGAA	AAVFRT	IPSEIL	SMEDLGL	PIFKEM	ASFSRGL	VLVTGPT	TGSGKSTT	LAAV	IDYIN	SSRY	EH	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	VARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GMGEV	FRKITD	VPRGL	VLVTGPT	TGSGKSTT	LAAML	DYLN	NNTKY	HH	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	VARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GMGEV	FRKITD	VPRGL	VLVTGPT	TGSGKSTT	LAAML	DYLN	NNTKY	HH	155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	LARFRVNVFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GLGLGK	IFRDI	CDYPRGL	VLVTGPT	TGSGKSTT	LAAML	DYIN	NHRY	DH	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	VARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GLGLGQ	IFKDI	CDYPRG	IVLVTGPT	TGSGKSTT	LAAML	DYIN	ENRY	DH	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	VARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GLGLGQ	IFKDI	CDYPRG	IVLVTGPT	TGSGKSTT	LAAML	DYIN	ENRY	DH	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	VARFRVNAFNQ	NRGAGAV	FRTIPSKV	LTMEDL	GLGLGQ	IFKDI	CDYPRG	IVLVTGPT	TGSGKSTT	LAAML	DYIN	ENRY	DH	155
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 387545 FOB49 RS24070 WP 015703454.1
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 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
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 387545 FOB49 RS24070 WP 015703454.1	TFAQSFQQRALAGEL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.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 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCGRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 387545 FOB49 RS24070 WP 015703454.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFGRR	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 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