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NTDB id	1177	A1552VC	RS01165	WP	000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMD	DARQA	EFKQ	TR	EAN	FAVVRD	75							
NTDB id	1203	PSJM300	01605	AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGV	MMNEQ	QRR	REFT	EN	HECN	FAISAR	76						
NTDB id	1019	ACIAD	RS04205	WP	004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPVSKTKL	GDGMT	IAQL	IDS	ITTQ	KQRQ	EFI	ETHECN	FAILNR	76				
NTDB id	1448	BW25113	RS15320	WP	001326494.1	MNMEEIVALS	VKHNVSDHLCS	AWPARWRIRGRMEA...APFDT	DP	DVEEL	LR	EWL	DD	QRAILL	ENG	QLD	FAVSLA	73			
NTDB id	1307	DR	RS10055	WP	010888596.1	MTSGIDITDILRLAADKGASDITILA	AGLPPQFKLSG	DYDAQGFEL	SAS	DTRKLM	YSMM	NERQ	QR	I	FE	EK	RELFDS	FALG	80		
NTDB id	1086	NMV	RS00245	WP	002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINL	PEMSAE	EVGNM	VTSM	N	DHQR	KIY	QQN	LEV	D	FSFELP	76		
NTDB id	1116	NGFG	RS10615	WP	003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINL	PEMSAE	EVGNM	VTSM	N	DHQR	KIY	QQN	LEV	D	FSFELP	76		
NTDB id	1185	GTF74	RS11940	WP	000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLGV	PAFTHSD	VHRL	LIFE	IMNDA	QRSE	YEEK	LEV	D	FSFELP	76			
NTDB id	1176	A1552VC	RS01160	WP	000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLGV	PAFTHSD	VHRL	LIFE	IMNDA	QRSE	YEEK	LEV	D	FSFELP	76			
NTDB id	1283	ACE17W	RS02630	WP	010947729.1	MDIAELLAFSVKNNSSDLHISAG	MPPMIRVDG	DLRKIN	LP	LEHK	DVIK	IYD	IMNDR	QR	KEYE	EFF	FET	D	FSFEIA	76	
NTDB id	1259	GCO85	RS10305	WP	010947729.1	MDIAELLAFSVKNNSSDLHISAG	MPPMIRVDG	DLRKIN	LP	LEHK	DVIK	IYD	IMNDR	QR	KEYE	EFF	FET	D	FSFEIA	76	
NTDB id	64296	QUE24	RS09740	WP	286303641.1	MDITELLAFSAKNNASDLHVSSG	EP	PMIRVDG	DIKRIN	LP	AMEHK	DV	HAMIYD	IMND	KQR	KD	FE	EFL	D	FSFEVP	76
NTDB id	1202	PSJM300	01600	AFN76400.1	MDITELLAFSAKQASDLHLSSG	LPPMIRVDG	DVRRIN	LP	AMDHK	QV	HALIYD	IMND	KQR	KD	FE	EFL	D	FSFEVP	76		
NTDB id	1194	PA0395	NP	249086.1	MDITELLAFSAKQASDLHLSSG	LPPMIRVDG	DVRRIN	LP	AMDHK	QV	HALIYD	IMND	KQR	KD	FE	EFL	D	FSFEVP	76		
NTDB id	1020	ACIAD	RS04210	WP	011182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDG	EVRRIN	LP	AMDHSE	VHNLIYD	IMND	KQR	RD	YEEK	LET	D	FSFEVP	76		
NTDB id	1081	FDQ49	RS05335	WP	006581387.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRIN	LP	AL	LEHK	DVHRL	LVYD	IMND	KQR	RD	YEEK	LET	D	FSFEVP	76
NTDB id	1060	ABD1	RS04380	WP	000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRIN	LP	AL	LEHK	DVHRL	LVYD	IMND	KQR	RD	YEEK	LET	D	FSFEVP	76
NTDB id	1040	HON27	RS13360	WP	000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRIN	LP	AL	LEHK	DVHRL	LVYD	IMND	KQR	RD	YEEK	LET	D	FSFEVP	76
consensus						*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

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NTDB	id	1177	A1552VC	RS01165	WP	000422572.1	..SGRFRVSAFFQRELP	GA	153
NTDB	id	1203	PSJM300	01605	AFN76401.1	G.IGRFRVSAFYQRNL	AGMVLRR	IETN	155
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1	EKNERFRVSAFQQRDM	PGMVIR	156
NTDB	id	1448	BW25113	RS15320	WP	001326494.1	E.NQRLRGS	AFAQRHG	152
NTDB	id	1307	DR	RS10055	WP	010888596.1	D.KARFRVNAFMQRGNV	GGMRLIPTTV	159
NTDB	id	1086	NMV	RS00245	WP	002218487.1	N.VARFRVNAFNI	GRGPA	155
NTDB	id	1116	NGFG	RS10615	WP	003690200.1	N.VARFRVNAFNT	GRGPA	155
NTDB	id	1185	GTF74	RS11940	WP	000350195.1	N.VGRFRVNAFHQ	ARGCS	155
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1	N.VGRFRVNAFHQ	ARGCS	155
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1	N.LARFRVNAFNQ	SRGAA	155
NTDB	id	1259	GCO85	RS10305	WP	010947729.1	N.LARFRVNAFNQ	SRGAA	155
NTDB	id	64296	QUE24	RS09740	WP	286303641.1	G.LARFRVNAFNQ	NRGAA	155
NTDB	id	1202	PSJM300	01600	AFN76400.1	G.VARFRVNAFNQ	NRGAGAV	155	
NTDB	id	1194	PA0395	NP	249086.1	G.VARFRVNAFNQ	NRGAGAV	155	
NTDB	id	1020	ACIAD	RS04210	WP	011182164.1	N.LARFRVNVFNQ	NRGAGAV	155
NTDB	id	1081	FDQ49	RS05335	WP	006581387.1	N.VARFRVNAFNQ	NRGAGAV	155
NTDB	id	1060	ABD1	RS04380	WP	000355489.1	N.VARFRVNAFNQ	NRGAGAV	155
NTDB	id	1040	HON27	RS13360	WP	000355489.1	N.VARFRVNAFNQ	NRGAGAV	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 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NFGF 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 GCO85 RS10305 WP 010947729.1
NTDB id 64296 QUE24 RS09740 WP 286303641.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PA0395 NP 249086.1
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
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLK.TKRGDDY...GSGSL..QNV.KIDME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIK.LGSETDGEHLTSVS...QGL.TLEMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIK.LSEEANKPLDNRRM..SEM.ERKMTFDGQRRNLK.....	383
NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLLITYDKGLERAIDPKEFARLANDASAGLGASMTPAAPPVPAYNSASSSSSTGRGGDFGRGAAAPATP	399
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSEMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSEMSF.....	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	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 64296 QUE24 RS09740 WP 286303641.1	TLDQCLQDLVRRQKVTKQEALPRAVN.KDLFR.....	345
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQ.PENF.....	344
NTDB id 1194 PA0395 NP 249086.1	TLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIIINLPTARAVAKS.PESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1		368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	AAPAAGRSEPGRAGGFGRR	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 64296 QUE24 RS09740 WP 286303641.1	.....	345
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PA0395 NP 249086.1	.....	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		

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved