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NTDB id 600 KW2 RS01765 WP 011675413.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	A	V	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	Y	G	E	Q	G	L	Q	I	A	E	K	L	I	T	S	G	A	V	D	L	154	
NTDB id 269 KZH43 RS08665 WP 001085462.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 228 SPD RS09265 WP 001085462.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 194 SPR RS08825 WP 001085462.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 159 SP RS09750 WP 001085462.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 499 SM12261 RS08315 WP 078228268.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 453 Spy49 1753c ACI62003.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	E	G	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153	
NTDB id 408 SMU RS09530 WP 002262392.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	Q	A	Q	K	D	G	I	A	A	F	I	D	A	E	H	A	L	D	P	Y	A	A	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	S	G	E	Q	G	L	E	I	A	G	K	L	I	D	S	G	A	V	D	L	153		
NTDB id 115 BSU 16940 NP 389576.2	I	I	E	V	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	I	A	E	V	Q	Q	G	G	Q	A	A	F	I	D	A	E	H	A	L	D	P	V	Y	A	Q	K	L	G	V	N	I	E	E	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	A	E	A	L	V	R	S	G	A	V	D	L	138	
NTDB id 625 LCA RS02525 WP 011374196.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	V	A	L	H	A	V	A	E	V	Q	Q	G	G	T	A	A	Y	I	D	A	E	N	A	M	D	P	K	Y	A	T	A	L	G	V	N	I	D	D	L	L	S	Q	P	D	T	G	E	Q	G	L	E	I	A	D	A	L	V	S	S	G	A	V	D	L	140	
NTDB id 1313 DR RS12030 WP 010888966.1	I	T	E	I	Y	G	P	E	S	G	K	T	T	L	A	L	A	I	V	A	Q	A	Q	K	A	G	T	C	A	F	I	D	A	E	H	A	L	D	P	V	Y	A	R	A	L	G	V	N	I	D	E	L	L	S	Q	P	D	N	G	E	Q	A	L	E	I	M	E	L	L	V	R	S	G	A	T	D	V	152		
NTDB id 1245 Cj1673c YP 002345041.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	H	I	I	A	E	C	Q	K	A	G	G	V	C	A	F	I	D	A	E	H	A	L	D	V	K	Y	A	K	N	L	G	V	N	I	D	D	L	Y	S	Q	P	D	F	G	E	Q	A	L	E	I	V	E	T	T	A	R	S	G	A	V	D	L	139
NTDB id 1211 C694 RS00795 WP 000963128.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	L	S	L	H	I	I	A	E	C	Q	K	N	G	G	V	C	A	F	I	D	A	E	H	A	L	D	V	H	Y	A	K	R	L	G	V	D	T	E	N	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	L	E	T	I	T	R	S	G	I	D	L	141	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	L	S	L	H	I	I	A	E	C	Q	K	N	G	G	V	C	A	F	I	D	A	E	H	A	L	D	V	H	Y	A	K	R	L	G	V	D	T	E	N	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	L	E	T	I	T	R	S	G	I	D	L	141	
NTDB id 1334 RAOC RS04870 WP 004918236.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	H	A	I	A	E	A	Q	K	V	G	G	T	A	F	I	D	A	E	H	A	F	D	M	H	Y	A	E	K	L	G	I	N	L	E	L	I	V	S	Q	P	D	N	G	E	Q	A	L	E	I	A	D	S	L	T	R	S	G	V	D	L	148		
NTDB id 1130 NGFG RS03960 WP 003688695.1	I	V	E	I	F	G	P	E	S	S	G	K	T	T	L	C	L	E	A	V	A	Q	Q	K	N	G	G	V	C	A	F	V	D	A	E	H	A	F	D	P	V	Y	A	R	K	L	G	V	K	V	E	E	L	Y	L	S	Q	P	D	T	G	E	Q	A	L	E	I	C	D	T	L	V	R	S	G	I	D	M	140	
NTDB id 1124 NGFG RS03960 WP 003688695.1	I	V	E	I	F	G	P	E	S	S	G	K	T	T	L	C	L	E	A	V	A	Q	Q	K	N	G	G	V	C	A	F	V	D	A	E	H	A	F	D	P	V	Y	A	R	K	L	G	V	K	V	E	E	L	Y	L	S	Q	P	D	T	G	E	Q	A	L	E	I	C	D	T	L	V	R	S	G	I	D	M	140	
NTDB id 1123 OK783 RS03845 WP 003688695.1	I	V	E	I	F	G	P	E	S	S	G	K	T	T	L	C	L	E	A	V	A	Q	Q	K	N	G	G	V	C	A	F	V	D	A	E	H	A	F	D	P	V	Y	A	R	K	L	G	V	K	V	E	E	L	Y	L	S	Q	P	D	T	G	E	Q	A	L	E	I	C	D	T	L	V	R	S	G	I	D	M	140	
NTDB id 160949 CPter291 RS21640 WP 061943931.1	V	V	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	Q	T	I	A	E	M	Q	K	L	G	T	C	A	F	I	D	A	E	H	A	L	D	V	G	Y	A	Q	K	L	G	I	N	L	S	E	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	T	D	A	L	V	R	S	G	V	D	L	147		
NTDB id 1427 RS RS02760 WP 011000510.1	V	V	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	Q	V	V	A	E	M	Q	K	L	G	T	C	A	F	I	D	A	E	H	A	L	D	V	T	Y	A	D	K	L	G	V	K	V	P	D	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	A	D	A	L	V	R	S	G	S	V	D	L	148	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	S	L	I	A	Q	A	Q	K	N	K	T	C	A	F	I	D	A	E	H	A	L	D	P	V	Y	A	R	N	L	G	V	N	I	D	E	L	L	S	Q	P	D	N	G	E	Q	A	L	E	I	C	D	A	L	V	R	S	G	A	V	D	V	156	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	I	V	E	I	F	G	P	E	S	S	G	K	T	T	L	T	L	E	L	I	A	A	A	Q	R	E	G	K	T	C	A	F	I	D	A	E	H	A	L	D	P	V	Y	A	K	K	L	G	V	N	I	D	E	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	C	D	A	L	A	R	S	G	A	V	D	V	139
NTDB id 1142 GTF74 RS11550 WP 000344154.1	I	V	E	I	F	G	P	E	S	S	G	K	T	T	L	T	L	E	L	I	A	A	A	Q	R	E	G	K	T	C	A	F	I	D	A	E	H	A	L	D	P	V	Y	A	K	K	L	G	V	N	I	D	E	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	C	D	A	L	A	R	S	G	A	V	D	V	139
NTDB id 1205 PSJM300 05545 AFN77183.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	L	T	L	S	V	I	A	A	A	Q	R	M	G	S	T	C	A	F	V	D	A	E	H	A	L	D	P	Y	A	G	K	L	G	V	N	V	D	L	L	S	Q	P	D	T	G	E	Q	A	L	E	I	T	D	M	L	V	R	S	N	A	V	D	V	139		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	I	V	E	I	Y	G	P	E	S	S	G	K	T	T	M	T	L	Q	A	I	A	Q	Q	K	A	G	T	C	A	F	I	D	A	E	H	A	L	D	P	Q	Y	A	R	K	L	G	V	D	I	D	N	L	L	S	Q	P	D	H	G	E	Q	A	L	E	I	A	D	M	L	V	R	S	G	A	T	D	L	139		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	I	I	E	I	Y	G	P	E	S	S	G	K	T	T	M	T	L	Q	A	I	A	Q	Q	K	S	G	G	T	C	A	F	I	D	A	E	H	A	L	D	P	Q	Y	A	R	K	L	G	V	D	I	D	N	L	L	S	Q	P	D	N	G	E	Q	A	L	E	I	A	D	M	L	V	R	S	G	A	T	D	L	139	



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NTDB id 600	KW2	RS01765	WP 011675413.1	SVRLDVRGSGTKIEEGS.GDNKTTQIGKIITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINTAVEEGTIKKSGAWFAYN	312
NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 228	SPD	RS09265	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRGSGTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRGSGTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSISGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408	SMU	RS09530	WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKAVVEIMYGEGISRTGELVKIASDLGITQKAGAWYSYN	311
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVRRAEQLKQGN....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTGLDIVQKSGSWYSYE	292
NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVRRAETIKNGT....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKVELALVYGKCFDQLSDLVGLAADMDIKKACSFYSYG	307
NTDB id 1245	Cj1673c	YP 002345041.1		SVRLDVRKQVAT....L.KQNEEPIGNRVKIKVVKNKVAPPFRQAEFDMVFGGELSRGELIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334	RAOC	RS04870	WP 004918236.1	SVRIDIRRSLSDTGKIKDKSGEVIIGNRTKIKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIQKSGSWFSYQ	307
NTDB id 1130	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 160949	CPter291	RS21640	WP 061943931.1	SVRLDIRRTGS....I.KSGDEVIGNETKVKVVKNKTAAPPFKEAHFDILYGGTSREGEIIDLGSDAKIVEKSGAWYSYN	301
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIRRIGS....I.KKGEVVLGNETKVKVVKNKVAPPFREAFIDILYGAQVSRGEIIDLGVVEAKVVEKSGAWYSYN	302
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIRRCGV....V.KDGDEIIGSETKVKVVKNKVAPPFRVQFDIMYGEGISRMNELLILAANGFIKKSGAWFSYD	310
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVLGNETRIKVVKNKTAAPPFKEAANTQIMYGGCFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1142	GTF74	RS11550	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVLGNETRIKVVKNKTAAPPFKEAANTQIMYGGCFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGETRVKVVKNKVAPPFRQAEFQILYGGKIYRNGEIDLGVQQGLVEKSGAWYAYK	293
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVKVVKNKMAPPFREAFIFQILYGGKVNQLGELVDLAVQQQDIVQKAGAWYSYQ	293
NTDB id 1074	ABD1	RS10195	WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGGKTNQLGELVDLAVQQQDIVQKAGAWYSYQ	293
consensus				*!!**!* * * * * ! * ! * ! * ! * ! * ! * * * * ! * ! * * * * * * * * * * * * * ! * ! * * * !	

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQQA	ENAKNYL	KEHQDV	FDEID	HKVRAAH	GLDD	SEVAETEEETT	ASKT	KAKAKKEEKAV	ETEEIELELED...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHPEIF	FDEID	KQVRSKF	GLID	GEEVSEQDTEN	KKDE	PKKEEA	VNEEVPLDLGDELE	383
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHPEIF	FDEID	KQVRSKF	GLID	GEEVSEQDTEN	KKDE	PKKEEA	VNEEVPLDLGDELE	383
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHPEIF	FDEID	KQVRSKF	GLID	GEEVSEQDTEN	KKDE	PKKEEA	VNEEVPLDLGDELE	383
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHPEIF	FDEID	KQVRSKF	GLID	GEEVSEQDTEN	KKDE	PKKEEA	VNEEVPLDLGDELE	383
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYL	ADNPEIF	FDEID	HQVRVQF	GLID	GEEIAES	KKDE	AAQVDS	VNEEVTLDLGDELE	379
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYL	ADNPEV	FAEID	HQVRVQF	GLID	GEEAAES	KKDE	VAQVDS	VNEEVTLDLGDELE	379
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYL	ADHPQL	FDEID	RKVRVKF	GLLE	ESEEEESAMAV	ASE	E	TDDLALDLN	375
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFL	ADNPEIF	DDID	HKVRVQY	GLIE	EDNTEEKQSS	KEK	E	ADKNLVLEL	380
NTDB id 115 BSU 16940 NP 389576.2	EERLGG	RENAKQ	FLKENK	DIMLMI	QEQIRE	HYGL	DNNGVVQQAE	ETQEEL	EFE	E	348
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	RENAKNYL	ADHEDVE	DEVRLK	VRAAYG	ISD	VPEEDLPTTE	DE	QI	NILPDDST	355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQCK	EKTIA	YTAER	PEMEQ	EIRDRV	MAA	IRAGNAGEA	PALAPAPA	APEAAEA		363
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQ	GRNSK	AFLEN	PEIA	DEITKA	IQNSM	TEGMISG	SEDEGEE			343
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQ	RENAKA	LLKEDK	ALADEI	TLKIK	ESIG	SNEEIMPL	PDEPLEEME			347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQ	RENAKA	LLKEDK	ALADEI	TLKIK	ESIG	SNEEIMPL	PDEPLEEME			347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQ	GRD	TVKEL	IKDN	PELAE	LEAKI	REKLQAK				343
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQ	CKDN	VVRVWL	KENPEI	SDEID	AKI	RALNGV	EMHITEGTQ	DETDGE	RPEE	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQ	CKDN	VVRVWL	KENPEI	SDEID	AKI	RALNGV	EMHITEGTQ	DETDGE	RPEE	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQ	CKDN	VVRVWL	KENPEI	SDEID	AKI	RALNGV	EMHITEGTQ	DETDGE	RPEE	348
NTDB id 160949 CPter291 RS21640 WP 061943931.1	GERIGQ	CKDN	ARTYL	KERP	ELAREI	ENKVR	ASL	CVPL	LLGEIKAAE	GGDKADKA	373
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQ	GRDN	CREFL	RENAE	LAREI	ENKVR	REHL	GVTP	MGAVTLAEE	VEED	352
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQ	CKNN	AVKWL	KENPEI	ADKLE	QEI	RNTLA	SNPNS	VLKATAS	DSNDES	372
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQ	CKKAN	ACKYL	KENPEI	AKTLD	DKKL	REMLLN	PENMQLI	AETSSA	ADDVEFG	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQ	CKKAN	ACKYL	KENPEI	AKTLD	DKKL	REMLLN	PENMQLI	AETSSA	ADDVEFG	354
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQ	CKKAN	AKYLE	ENPEI	GGIE	EQQI	RAKLL	VTSAN	TKATPVA	EADLADADI	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQ	CKNN	VIRYLE	ENPQI	STEI	EAVI	REQLL	TKASD	QTA	AHDETEE	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQ	CKNN	VIRYFE	ENNQI	AEEI	ERNI	REQLL	TTGTNG	AVQ	IEDEE	349
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NTDB id 228 SPD RS09265 WP 001085462.1	IEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEIEE	388
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349

consensus

⊠ non conserved  
⊠ similar  
⊠ ≥ 50% conserved