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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRG	STKIEEGS	.GDNKTQ	IGKITK	IKVVKNKVAPPF	KVALV	DIMF	GEGIS	STGEL	INIAVEEG	IIKKSG	AWFAYN	312																																															
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NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIASDL	DIKKAG	AWYSYK	311																																															
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIASDL	DIKKAG	AWYSYK	311																																															
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIASDL	DIKKAG	AWYSYK	311																																															
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFV	EIMY	GEGIS	KTGEL	LKIASDL	DIKKAG	AWYSYK	311																																															
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFV	EIMY	GEGIS	KTGEL	LKIASDL	DIKKAG	AWYSYK	311																																															
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKVAPPF	KVAEV	EIMY	GEGIS	RTGEL	VKIASDL	DIQKAG	AWFSYN	311																																															
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKVAPPF	KEAFV	EIIY	GEGIS	RTGEL	VKIASDL	GIQKAG	AWYSYN	311																																															
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRA	AEQLKQGN	D	MGNKTK	IKVVKNKVAPPF	RTAEV	DIMY	GEGIS	KEGE	IIDLGT	ELDIVQ	KSGWSYSYE	292																																															
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRA	ETIKNGT	D	MGNRARI	IKVVKNKVAPPF	KVAEV	DIMY	GGIS	RTGEL	VDMAVEK	DIINKSG	WSYSYG	294																																															
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NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRK	VAT....	L.KQNE	EEP	IGNRVK	V	KNKVAPPF	RQAEF	D	M	F	G	E	L	S	R	E	G	E	L	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	F	S	Y	K	294																			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRDIRRIA	A....	L.KQNE	EQH	IGNRAK	A	KVKNKVAPPF	REAEF	D	M	F	G	E	L	S	R	E	G	E	L	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	K	296																			
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRDIRRIA	AS....	L.KQNE	EQH	IGNRAK	A	KVKNKVAPPF	REAEF	D	M	F	G	E	L	S	R	E	G	E	L	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	K	296																			
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRDIRR	SLSDTG	IKIKDKS	GEV	IGNRTK	V	KNKVAPPF	KSAEF	D	M	Y	G	E	G	V	S	K	V	G	E	I	L	D	V	A	T	D	L	D	I	I	Q	K	S	G	S	W	F	S	Y	K	307																		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRR	CGV....	V.KDG	DEI	IGSETK	V	KNKVAPPF	REVQ	F	D	M	Y	G	E	G	I	S	R	M	N	E	L	L	I	L	A	E	A	N	G	F	I	K	K	S	G	A	W	F	S	Y	D	310																	
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	L	G	N	E	T	R	V	KV	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	S	Y	N	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	L	G	N	E	T	R	V	KV	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	S	Y	N	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	L	G	N	E	T	R	V	KV	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	S	Y	N	294
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRR	IGS....	I.KKG	DEV	V	G	N	E	T	KV	KNKVAPPF	REAEF	D	M	Y	G	A	G	V	S	R	E	G	E	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	S	Y	N	302																
NTDB id 175494 AX06 RS05510 WP 000963150.1	SVRLDIRR	IGA....	V.KEG	DNV	V	G	S	E	T	R	V	KNK	I	A	A	P	F	K	Q	A	E	F	Q	I	L	Y	G	E	G	I	N	F	Y	G	E	L	V	D	L	G	V	K	E	L	I	E	K	A	G	A	W	S	Y	N	295					
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRR	TGA....	I.KEG	EEV	V	G	N	E	T	R	IKV	KNK	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	S	Y	N	293				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRR	TGA....	I.KEG	EEV	V	G	N	E	T	R	IKV	KNK	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	S	Y	N	293				
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRR	TGA....	V.KEG	DEV	V	G	S	E	T	R	V	KNK	N	K	V	A	P	P	F	R	Q	A	E	F	Q	I	L	Y	G	K	G	I	Y	R	N	G	E	I	D	L	G	V	Q	Q	G	L	V	E	K	S	G	A	W	Y	A	Y	K	293		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRR	IGQ....	V.KEG	DEI	I	G	S	E	T	KV	KNKVAPPF	REAEF	D	M	Y	G	A	G	V	S	R	E	G	E	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	S	Y	N	302																
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRR	IGQ....	V.KEG	DEI	I	G	S	E	T	KV	KNKVAPPF	REAEF	D	M	Y	G	A	G	V	S	R	E	G	E	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	S	Y	N	302																
consensus	SVRLDIRR	IGQ....	V.KEG	DEI	I	G	S	E	T	KV	KNKVAPPF	REAEF	D	M	Y	G	A	G	V	S	R	E	G	E	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	S	Y	N	302																

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DER	I	G	Q	G	KE	K	T	I	A	Y	I	A	E	R	P	E	M	E	Q	I	E	R	D	R	V	M	A	A	I	R	A	G	N	A	G	E</																																		

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consensus

 non conserved
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 ≥ 50% conserved