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NTDB id 600	KW2	RS01765	WP	011675413.1	SVRLDVRG	STKIEEGS	.GDNK	TI	TKI	TKV	VKNK	VAPP	FKEA	LV	IM	F	GEGIS	ST	GEL	INT	AVEE	GI	TKK	SGAW	FAYN	312																																																						
NTDB id 269	KZH43	RS08665	WP	001085462.1	SVRLDVRG	N	TQIKGTG	.DQKE	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311													
NTDB id 228	SPD	RS09265	WP	001085462.1	SVRLDVRG	N	TQIKGTG	.DQKE	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311													
NTDB id 194	SPR	RS08825	WP	001085462.1	SVRLDVRG	N	TQIKGTG	.DQKE	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311													
NTDB id 159	SP	RS09750	WP	001085462.1	SVRLDVRG	N	TQIKGTG	.DQKE	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311													
NTDB id 527	SMSK321	RS11065	WP	001085454.1	SVRLDVRG	ST	QIKGTG	.DQK	D	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311												
NTDB id 499	SM12261	RS08315	WP	078228268.1	SVRLDVRG	ST	QIKGTG	.DQK	D	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	311												
NTDB id 408	SMU	RS09530	WP	002262392.1	SVRLDVRG	N	TQIKGTG	.EQK	D	S	N	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	G	I	I	Q	K	A	G	A	W	Y	S	Y	N	311												
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRG	T	TQIKGTG	.DQK	D	S	S	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	I	I	Q	K	A	G	A	W	F	S	Y	N	311														
NTDB id 115	BSU	16940	NP	389576.2	SVRL	E	V	R	R	A	E	Q	L	K	Q	G	N	D	V	M	G	N	K	T	K	I	K	V	V	K	N	K	V	A	P	F	R	T	A	E	V	D	I	M	Y	G	E	G	I	S	K	E	G	E	I	D	L	G	T	E	L	D	I	V	Q	K	S	G	S	W	Y	S	Y	E	292				
NTDB id 625	LCA	RS02525	WP	011374196.1	T	V	R	L	E	V	R	R	A	E	T	I	K	N	G	T	D	M	I	G	N	R	A	R	I	K	V	V	K	N	K	V	A	P	F	F	K	V	A	E	V	D	I	M	Y	G	G	I	S	R	T	G	E	L	V	D	M	A	V	E	K	D	I	I	N	K	S	G	S	W	Y	S	Y	G	294
NTDB id 1313	DR	RS12030	WP	010888966.1	SVRLDVR	K	I	G	Q	P	T	K	V	G	N	D	A	V	A	N	T	V	K	I	T	V	K	N	K	V	A	P	F	K	E	V	E	L	A	L	V	Y	G	K	C	F	D	Q	L	S	D	L	V	G	L	A	A	D	M	D	I	I	K	K	A	C	S	F	Y	S	Y	G	307						
NTDB id 1245	Cj1673c	YP	002345041.1	SVRLDVR	K	V	A	T	L	K	Q	N	E	P	I	G	N	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	V	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	SVR	I	D	I	R	R	I	A	A	L	K	Q	N	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	296			
NTDB id 1211	C694	RS00795	WP	000963128.1	SVR	I	D	I	R	R	I	A	S	L	K	Q	N	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	296		
NTDB id 1334	RAOC	RS04870	WP	004918236.1	SVR	I	D	I	R	R	S	L	S	D	T	G	K	I	K	D	K	S	G	E	V	I	G	N	R	T	K	V	V	K	N	K	V	A	P	P	F	K	S	A	E	F	D	I	M	Y	G	E	G	V	S	K	V	G	E	L	D	V	A	T	D	L	D	I	I	Q	K	S	G	S	W	F	S	Y	Q	307
NTDB id 320396	At1D1108	RS07425	WP	003516062.1	SVRLD	I	R	R	I	G	A	V	K	E	R	E	V	V	G	N	T	R	V	K	V	V	K	N	K	M	A	P	P	F	K	Q	V	E	F	D	I	M	Y	G	E	G	V	S	K	T	G	E	L	V	D	L	G	V	K	A	G	I	V	E	K	S	G	A	W	F	S	Y	N	305					
NTDB id 1389	A4U84	RS07560	WP	021112712.1	SVRLD	I	R	R	C	G	V	V	K	D	G	D	E	I	I	G	S	E	T	K	V	V	V	K	N	K	V	A	P	P	F	R	E	V	Q	F	D	I	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	SVRLD	I	R	R	T	G	S	I	K	K	G	E	E	V	L	G	N	E	T	R	V	K	V	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	Y	S	Y	N	294			
NTDB id 1124	NGFG	RS03960	WP	003688695.1	SVRLD	I	R	R	T	G	S	I	K	K	G	E	E	V	L	G	N	E	T	R	V	K	V	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	Y	S	Y	N	294			
NTDB id 1123	OK783	RS03845	WP	003688695.1	SVRLD	I	R	R	T	G	S	I	K	K	G	E	E	V	L	G	N	E	T	R	V	K	V	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	Y	S	Y	N	294			
NTDB id 1427	RS	RS02760	WP	011000510.1	SVRLD	I	R	R	I	G	S	I	K	K	G	D	E	V	V	G	N	E	T	K	V	V	V	K	N	K	V	A	P	P	F	R	E	A	I	F	D	I	L	Y	G	A	C	V	S	R	E	G	E	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	Y	S	Y	N	302					
NTDB id 1165	A1552VC	RS01565	WP	000344154.1	SVRLD	I	R	R	T	G	A	I	K	E	G	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	C	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	Y	S	Y	N	293			
NTDB id 1142	GTF74	RS11550	WP	000344154.1	SVRLD	I	R	R	T	G	A	I	K	E	G	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	C	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	Y	S	Y	N	293			
NTDB id 1022	ACIAD	RS06390	WP	004925639.1	SVRLD	I	R	R	I	G	Q	V	K	E	G	D	E	I	I	G	S	E	T	K	V	V	V	K	N	K	M	A	P	P	F	R	E	A	I	F	Q	I	L	Y	G	K	C	V	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	N	I	V	Q	K	A	G	A	W	Y	S	Y	Q	293				
NTDB id 1074	ABD1	RS10195	WP	000344167.1	SVRLD	I																																																																										

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NTDB id 600 KW2 RS01765 WP 011675413.1	E.LEE	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E.IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	E.IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	E.IEE	388
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NTDB id 499 SM12261 RS08315 WP 078228268.1	E.IEE	384
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NTDB id 625 LCA RS02525 WP 011374196.1	355
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NTDB id 1211 C694 RS00795 WP 000963128.1	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	343
NTDB id 320396 At1D1108 RS07425 WP 003516062.1	363
NTDB id 1389 A4U84 RS07560 WP 021112712.1	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	348
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	354
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	349
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consensus

non conserved
 similar
 ≥ 50% conserved