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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGER.A	ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLEEI	SKKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER.	AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEIT	KKKFGDERRKALDDALKNIEKD	FGKGV	MRLGER.	AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEI	TKKFGDERRKALDDALKNIEKD	FGKGV	MRLGER.	AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK.	VDTQVST	VSSGSLALDEAL	GVGGYP	60	
NTDB id 331991 EJ992 RS09690 WP 003181926.1	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLGEQ.	TETRIST	VPSGSLALDAAL	GVGGYP	58	
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLGEK.	TDTRIST	VPSGSLALDTAL	GIGGYP	58	
NTDB id 1313 DR RS12030 WP 010888966.1MSKDATKEISAP	TDAKERSKATETAMSQIEKA	FGKGSIMKLGA	E.SKLDV	QVSVT	TGSLSLDL	ALGVGGIP	72	
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSLDAAALKS	LDKTFGKGTILRLGDK.	EVEQID	SIGTGSVGLDL	ALGIGGVP	59	
NTDB id 1211 C694 RS00795 WP 000963128.1MAIDE	DKQKATISLAIKQID	KVFGKGA	LVR	LGD.K.QVEKID	SISTGSLGLDL	ALGIGGVP	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1MAIDE	DKQKATISLAIKQID	KVFGKGA	LVR	LGD.K.QVEKID	SISTGSLGLDL	ALGIGGVP	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKT..ETTSP	NDKKKALAAVLEKLDKT	YGKGTVMKLG	DGTVDH	NIEVIP	SGSLGLDL	ALGVGGYP	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNTV.VKQVEPEQKKQALEA	ALAQIEKQFGKGSIMKL	GGT.EQLDI	ESVST	TGSLGLDL	ALGIGGLP	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLE	VISTGSLGLDL	ALGVGLP	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLE	VISTGSLGLDL	ALGVGLP	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLE	VISTGSLGLDL	ALGVGLP	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K.KAAS	MSAEKQKALAAALAQIEKQ	FGKGSIMKMGDA.EVE	PVQ	VSTGSLGLD	VALGVGLP	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDEN	KQKALAAALGQIEKQ	FGKGSIMRLG	DN.RAMD	VETISTGSLSLDI	ALGAGGLP	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDEN	KQKALAAALGQIEKQ	FGKGSIMRLG	DN.RAMD	VETISTGSLSLDI	ALGAGGLP	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDEN	KS	KALQAALSQIEKQ	FGKNTVM	R	LGDN.TVQAVE	AVSTGSLTLDI	ALGIGGLP	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1MDDN	KSKALQAALSQIEKQ	FGKNTVM	R	LGDN.TVQAVE	AVSTGSLTLDI	ALGIGGLP	59	
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KKRALAAALGQIEKQ	FGKGV	MRMGDH.DRQA	IP	SISTGSLGLDI	ALGIGGLP	59	
consensus		** * **	**	* ** !	* ! ! * * * * * * * * *	*	* * * * ! * * * ! * * * ! ! ! * ! ! * ! !		

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NTDB id 600 KW2 RS01765 WP 011675413.1	VV	I	D	S	V	A	A	L	V	P	K	A	E	I	D	G	E	I	G	D	S	S	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	S	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	233	
NTDB id 269 KZH43 RS08665 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 228 SPD RS09265 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 194 SPR RS08825 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 159 SP RS09750 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 499 SM12261 RS08315 WP 078228268.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 408 SMU RS09530 WP 002262392.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	S	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	I	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	S	232	
NTDB id 453 Spy49 1753c ACI62003.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	M	S	Q	A	M	R	K	L	S	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232	
NTDB id 625 LCA RS02525 WP 011374196.1	L	V	V	D	S	V	A	A	L	V	P	R	A	E	I	E	G	E	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	T	I	N	K	T	K	T	I	A	L	F	I	N	Q	I	R	E	K	V	G	V	M	.	F	G	N	P	E	V	T	P	G	G	R	A	L	K	F	Y	S	219
NTDB id 331991 EJ992 RS09690 WP 003181926.1	V	V	I	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	A	I	N	K	S	K	T	I	A	I	F	I	N	Q	I	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	S	217
NTDB id 115 BSU 16940 NP 389576.2	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	A	I	N	K	S	K	T	I	A	I	F	I	N	Q	I	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	S	217
NTDB id 1313 DR RS12030 WP 010888966.1	V	V	V	D	S	V	A	A	L	T	P	R	A	E	I	E	G	D	M	G	D	S	L	P	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	I	L	S	K	T	G	T	A	A	I	F	I	N	Q	V	R	E	K	I	G	V	M	.	Y	G	N	P	E	T	T	T	G	G	R	A	L	K	F	Y	A	231
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NTDB id 1211 C694 RS00795 WP 000963128.1	V	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	M	G	D	Q	H	V	G	L	Q	A	R	L	M	S	H	A	L	R	K	I	T	G	V	L	H	K	M	N	T	T	L	I	F	I	N	Q	I	R	M	K	I	G	M	G	Y	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	221		
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	I	I	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	D	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	N	I	K	N	T	N	C	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	235
NTDB id 1130 NGFG RS03960 WP 003688695.1	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	T	N	T	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	S	219	
NTDB id 1124 NGFG RS03960 WP 003688695.1	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	T	N	T	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	S	219	
NTDB id 1123 OK783 RS03845 WP 003688695.1	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	T	N	T	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	S	219	
NTDB id 1427 RS RS02760 WP 011000510.1	I	V	I	D	S	V	A	A	L	V	P	K	A	E	I	E	G	E	M	G	D	A	L	P	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	T	I	K	R	T	N	C	L	V	I	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	227
NTDB id 1165 A1552VC RS01565 WP 000344154.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	M	G	D	S	H	M	G	L	Q	A	R	M	L	S	Q	A	M	R	K	L	T	G	N	L	K	Q	S	N	C	M	C	I	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	218
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NTDB id 1205 PSJM300 05545 AFN77183.1	I	I	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	E	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	I	T	G	N	I	K	N	A	N	C	L	V	I	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	218
consensus	*</																																																																																

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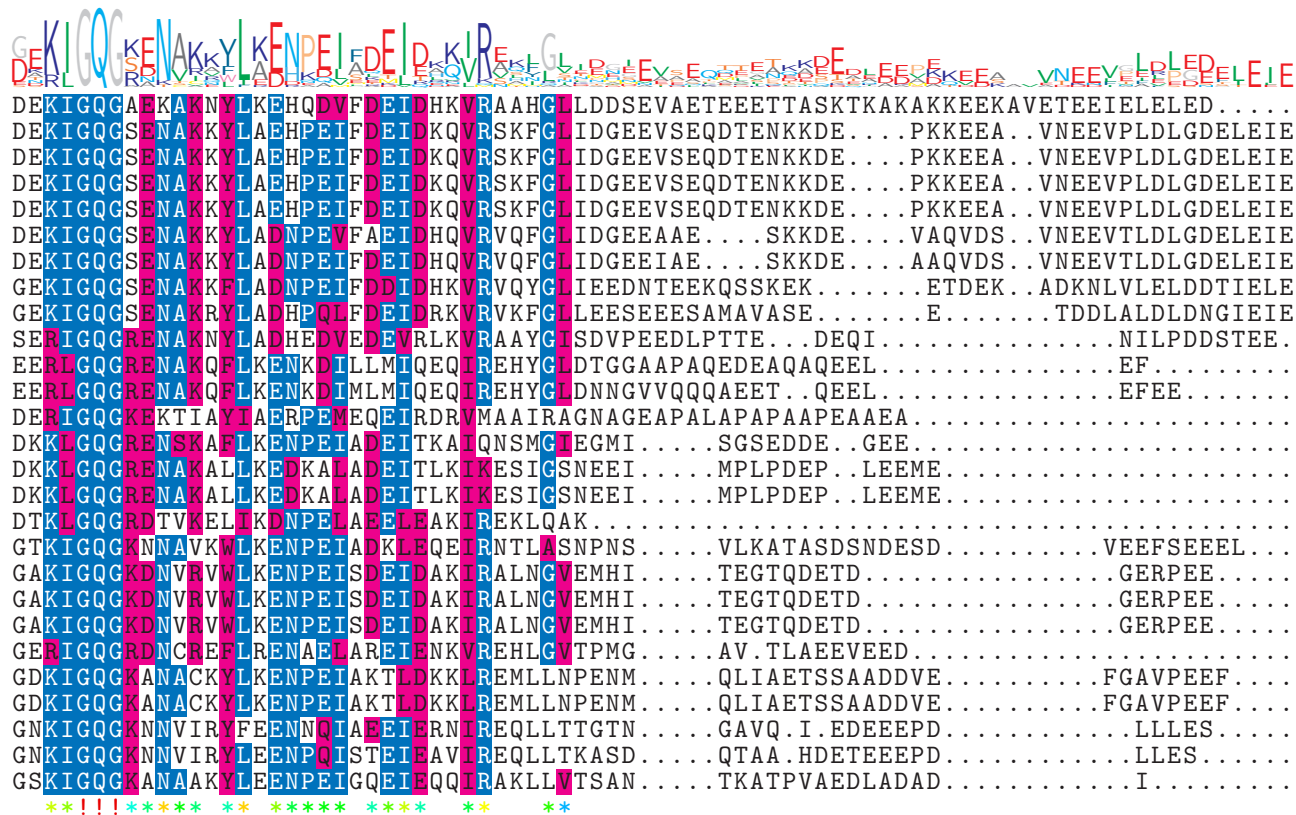
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NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETN	VGK	ETK	IKVV	KNKV	APP	PFK	EAV	VEIM	YGEG	ISKT	GEL	LK	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	311																																	
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NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETN	VGK	ETK	IKVV	KNKV	APP	PFK	EAV	VEIM	YGEG	ISKT	GEL	LK	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	311																																	
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETN	VGK	ETK	IKVV	KNKV	APP	PFK	EAV	VEIM	YGEG	ISKT	GEL	LK	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	311																																	
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRG	STQIKGTG	.DQK	DTN	VGK	ETK	IKVV	KNKV	APP	PFK	EAF	VEIM	YGEG	ISKT	GEL	LK	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	311																																	
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRG	STQIKGTG	.DQK	DTN	VGK	ETK	IKVV	KNKV	APP	PFK	EAF	VEIM	YGEG	ISKT	GEL	LK	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	311																																	
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NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVR	RAETIK	NGT	DM	IGN	RAR	IKVV	KNKV	APP	PFK	VAE	VDIM	YG	GIS	R	T	G	E	L	V	D	M	A	V	E	K	D	I	N	K	S	G	S	W	S	Y	G	294																												
NTDB id 331991	EJ992	RS09690	WP 003181926.1	SVRLEVR	RAEQLK	QGN	DV	MGN	TK	IKVV	KNKV	APP	FR	TAE	VDIM	YGEG	IS	K	E	G	E	I	D	L	G	T	E	L	D	I	V	K	S	G	A	W	S	Y	Q	292																													
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVR	RAEQLK	QGN	DV	MGN	TK	IKVV	KNKV	APP	FR	TAE	VDIM	YGEG	IS	K	E	G	E	I	D	L	G	T	E	L	D	I	V	K	S	G	S	W	S	Y	E	292																													
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVR	KIGQ	PTK	VGN	D	A	V	A	N	T	V	K	N	K	V	A	A	P	F	K	E	V	E	L	A	L	V	Y	G	K	G	F	D	Q	L	S	D	L	V	G	L	A	D	M	D	I	I	K	K	A	G	S	F	Y	S	G	307									
NTDB id 1245	Cj1673c	YP 002345041.1	SVRLDVR	KVAT	L	KQ	N	E	E	P	IGN	R	V	K	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	I	G	V	K	L	D	I	V	D	K	S	G	A	W	F	S	Y	K	294							
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRIDIR	RIAS	L	KQ	N	E	Q	H	IGN	R	A	K	IKVV	KNKV	APP	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	D	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	296									
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIR	RIAA	L	KQ	N	E	Q	H	IGN	R	A	K	IKVV	KNKV	APP	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	D	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	SVRIDIR	RS	SLSD	TG	K	I	K	D	K	S	G	E	V	IGN	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	I	L	D	V	A	T	D	L	D	I	I	K	K	S	G	S	W	F	S	Y	Q	307
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIR	RCGV	V	K	D	G	D	E	I	G	S	E	T	K	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	SVRLDIR	RTGS	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	S	Y	N	294
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIR	RTGS	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	S	Y	N	294
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIR	RTGS	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	S	Y	N	294
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIR	RIGS	I	K	K	G	D	E	V	V	G	N	E	T	K	V	V	K	N	K	V	A	P	P	F	R	E	A	I	F	D	I	L	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 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIR	RTGA	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	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	SVRLDIR	RTGA	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	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 1074	ABD1	RS10195	WP 000344167.1	SVRLDIR	RIGQ	V	K	E	G	D	E	I	V	G	S	E	T	K	V	V	K	N	K	M	A	P	P	F	K	E	A	I	F	Q	I	L	Y	G	K	G	T	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	N	I	V	Q	K	A	G	A	W	S	Y	Q	293		
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIR	RIGQ	V	K	E	G	D	E	I	V	G	S	E	T	K	V	V	K	N	K	M	A	P	P	F	K	E	A	I	F	Q	I	L	Y	G	K	G	V	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	N	I	V	Q	K	A	G	A	W	S	Y	Q	293		
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIR	RTGA	V	K	E	G	D	E	V	V	G	S	E	T	R	V	K	V	V	K	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	L	V	E	K	S	G	A	W	A	Y	K	293		

consensus *!*!***!* * ** *****!***!!*!!*! * ****!*!*** ***** ** *** ! !*****!

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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
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 331991 EJ992 RS09690 WP 003181926.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

consensus



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387
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logo

NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
NTDB id 331991 EJ992 RS09690 WP 003181926.1	...	348
NTDB id 115 BSU 16940 NP 389576.2	...	348
NTDB id 1313 DR RS12030 WP 010888966.1	...	363
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NTDB id 1211 C694 RS00795 WP 000963128.1	...	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	...	347
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347

consensus

 non conserved
 similar
 ≥ 50% conserved