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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRG	STKIEEGS	.GDNKTQ	IKITKIKVV	KNKVAPPF	KVALVDIM	FGEGISST	GELINIA	VEEGTI	KKSGAW	FAYN	312		
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKEITN	VGKETKIK	VVKNKVAP	PFKEAVVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKEITN	VGKETKIK	VVKNKVAP	PFKEAVVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKEITN	VGKETKIK	VVKNKVAP	PFKEAVVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKEITN	VGKETKIK	VVKNKVAP	PFKEAVVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQKDTNV	VGKETKIK	VVKNKVAP	PFKEAFVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQKDTNV	VGKETKIK	VVKNKVAP	PFKEAFVE	IMYGEGIS	KTGELLKIA	SDLDIT	KKAGAW	YSYK	311		
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDSII	VGKETKIK	VVKNKVAP	PFKVAEVE	IMYGEGIS	RTGELVKIA	SDLDIT	QKAGAW	FSYN	311		
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRG	NTQIKGTG	.EQKDSNI	VGKETKIK	VVKNKVAP	PFKEAFVE	IMYGEGIS	RTGELVKIA	SDLDIT	QKAGAW	FSYN	311		
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRA	AEQLKQGNDVM	GNKTKIK	VVKNKVAP	PFRTAEVD	IMYGEGIS	KEGETIDL	GLTELD	IVQKSG	SWSYE	292		
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRA	ETIKNGTDMI	GNRARIK	VVKNKVAP	PFKVAEVD	IMYGGIS	RTGELVDM	AVEKDI	INKSG	SWSYG	294		
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRK	IGQ....	PTKVGND	AVANTVK	IKTVKNK	VAAAPPF	KEVELAL	VYGGKCF	DFDQLSD	IVGLA	ADMDIT	KKAGS	FYSYG	307
NTDB id 289758 FORC84 RS08505 WP 002851424.1	SVRLDVRK	VAT....	L.KQNEEP	IGNRVK	VVKNKVAP	PFRAEFD	VMFGEGL	SREGEL	IDYGVK	LDIVDK	SGAWF	SYK	294	
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRK	VAT....	L.KQNEEP	IGNRVK	VVKNKVAP	PFRAEFD	VMFGEGL	SREGEL	IDYGVK	LDIVDK	SGAWF	SYK	294	
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRI	AS....	L.KQNEQH	IGNRAK	VVKNKVAP	PFRAEFD	IMFGEGIS	KEGETIDY	GVKLDI	VDKSGA	WLSYQ	296		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRI	AA....	L.KQNEQH	IGNRAK	VVKNKVAP	PFRAEFD	IMFGEGIS	KEGETIDY	GVKLDI	VDKSGA	WLSYQ	296		
NTDB id 1334 RA0C RS04870 WP 004918236.1	SVRIDIRRS	LSDTGKIK	DKSGEVI	GNRTKV	VVKNKVAP	PFKSAEFD	IMYGECS	VSKVGEIL	DVATDL	DIQKSG	SWFSYQ	307		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRC	GCV....	V.KGDDEI	IGSETKV	VVKNKVAP	PFREVFQ	FDIMYGEGIS	RMNELIL	LAENGFI	KKSGAW	FYSYD	310		
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRT	GS....	I.KKGEV	IGNETRV	KVTKNKV	APPFRQ	AEFDILY	GEGISWE	GELIDIG	VKNDI	INKSGA	WYSYN	294	
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRT	GS....	I.KKGEV	IGNETRV	KVTKNKV	APPFRQ	AEFDILY	GEGISWE	GELIDIG	VKNDI	INKSGA	WYSYN	294	
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRT	GS....	I.KKGEV	IGNETRV	KVTKNKV	APPFRQ	AEFDILY	GEGISWE	GELIDIG	VKNDI	INKSGA	WYSYN	294	
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRI	GS....	I.KKGEV	IGNETRV	VVKNKVAP	PFRAEFD	ILYGC	VSRREGEL	IDLGVE	AKVVEK	SGAWYSYN	302		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRT	G....	I.KEGEV	IGNETRI	KVVKNTA	APPKEANT	QIMYCG	GFNREGEL	IDLG	VKHKM	VEKSGA	WYSYN	293	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRT	G....	I.KEGEV	IGNETRI	KVVKNTA	APPKEANT	QIMYCG	GFNREGEL	IDLG	VKHKM	VEKSGA	WYSYN	293	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRI	IG....	V.KEGDEI	IGSETKV	VVKNKM	APPFR	EAIFFQ	ILYGGK	VNQLGEL	VDLAV	QQNIV	QKAGAW	YSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRI	IG....	V.KEGDEI	IGSETKV	VVKNKM	APPFR	EAIFFQ	ILYGGK	CTNQLGEL	VDLAV	QQDIV	QKAGAW	YSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRT	G....	V.KEGDEV	IGSETRV	VVKNKVAP	PFRAEFD	ILYGGK	GIYEN	GETIDL	GVQQGL	VEKSGA	WYAYK	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 499 SM12261 RS08315 WP 078228268.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 289758 FORC84 RS08505 WP 002851424.1
 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 RA0C 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 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
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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 499 SM12261 RS08315 WP 078228268.1 IEE 384
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IEE 384
NTDB id 453 Spy49 1753c ACI62003.1 D.. 378
NTDB id 408 SMU RS09530 WP 002262392.1 D.. 383
NTDB id 115 BSU 16940 NP 389576.2 ... 348
NTDB id 625 LCA RS02525 WP 011374196.1 ... 355
NTDB id 1313 DR RS12030 WP 010888966.1 ... 363
NTDB id 289758 FORC84 RS08505 WP 002851424.1 ... 343
NTDB id 1245 Cj1673c YP 002345041.1 ... 343
NTDB id 1211 C694 RS00795 WP 000963128.1 ... 347
NTDB id 1214 NCTC11637 00359 SQJ03206.1 ... 347
NTDB id 1334 RA0C RS04870 WP 004918236.1 ... 343
NTDB id 1389 A4U84 RS07560 WP 021112712.1 ... 372
NTDB id 1130 NGFG RS03960 WP 003688695.1 ... 348
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NTDB id 1142 GTF74 RS11550 WP 000344154.1 ... 354
NTDB id 1022 ACIAD RS06390 WP 004925639.1 ... 349
NTDB id 1074 ABD1 RS10195 WP 000344167.1 ... 349
NTDB id 1205 PSJM300 05545 AFN77183.1 ... 347
consensus
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 non conserved
 similar
 ≥ 50% conserved