

logo



NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRG	STKIEEGS	.GDNK	TQIK	TKIK	VVKN	KVAPPF	KVAL	VDIM	FGEGIS	STGEL	LNIA	VEEG	TIKK	SGAW	FAYN	312				
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETNV	GKETK	KVVKN	KVAPPF	KEAV	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETNV	GKETK	KVVKN	KVAPPF	KEAV	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETNV	GKETK	KVVKN	KVAPPF	KEAV	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQK	ETNV	GKETK	KVVKN	KVAPPF	KEAV	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQK	DTNV	GKETK	KVVKN	KVAPPF	KEAF	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQK	DTNV	GKETK	KVVKN	KVAPPF	KEAF	VEIM	YGEGIS	KTGEL	LKIAS	SDL	DIKK	KAGAW	YSYK	311				
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQK	SSIK	GKETK	KVVKN	KVAPPF	KVAE	VEIM	YGEGIS	RTGEL	VKIAS	SDL	DIKK	KAGAW	FSYN	311				
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRG	NTQIKGTG	.EQK	SNIK	GKETK	KVVKN	KVAPPF	KEAF	VEIM	YGEGIS	RTGEL	VKIAS	SDL	GIKK	KAGAW	YSYN	311				
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVR	RAEQLKQGND	VMGN	TKIK	VVKN	KVAPPF	RTAE	VDIM	YGEGIS	KEGE	IIDL	GTDEL	DI	VQKSG	SWSYE	292				
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVR	RAETIKNGTD	MI	GNR	ARIK	VVKN	KVAPPF	KVAE	VDIM	YGE	GISRT	GEL	VDMA	VEKDI	INKSG	SWSYG	294			
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVR	KIGQ....	PTKV	GND	AVANT	VTKIK	TVKN	KVAAP	PFKE	VELAL	VYCK	GFD	QLSD	LVGL	AADMD	TIKK	KAGS	FYSYG	307		
NTDB id 196686 FORC46 RS08175 WP 002851424.1	SVRLDVR	KVAT....	L.KQ	NEEP	IGNR	VVK	VVKN	KVAPPF	RQAE	FDM	FGEGL	SREG	ELDY	GVKL	DI	VDKSG	AWFSYK	294			
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVR	KVAT....	L.KQ	NEEP	IGNR	VVK	VVKN	KVAPPF	RQAE	FDM	FGEGL	SREG	ELDY	GVKL	DI	VDKSG	AWFSYK	294			
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIR	RIAS....	L.KQ	NEQHI	GNRA	AKV	VVKN	KVAPPF	REA	EFDIM	FGEGIS	KEGE	IIDY	GVKL	DI	VDKSG	AWLSYQ	296			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIR	RIAA....	L.KQ	NEQHI	GNRA	AKV	VVKN	KVAPPF	REA	EFDIM	FGEGIS	KEGE	IIDY	GVKL	DI	VDKSG	AWLSYQ	296			
NTDB id 1334 RA0C RS04870 WP 004918236.1	SVRIDIR	RSLSDTG	KIKDK	SGEVI	GNRT	KV	VVKN	KVAPPF	KS	A	EFDIM	YGE	GVSK	VGEL	ILD	VATDL	DI	IQKSG	WFSYQ	307	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIR	RCGV....	V.KD	DEIIG	SETK	V	VVKN	KVAPPF	REV	QFDIM	YGE	SRM	NEL	LILAE	ANGF	TIKK	SGAW	FSYD	310		
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIR	RRTGS...	I.KK	GEVLI	GNET	R	VKVI	KNKV	APPFR	QAE	F	ILY	GE	ISWE	GEL	IDIG	VKNDI	INKS	GAWYSYN	294	
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIR	RRTGS...	I.KK	GEVLI	GNET	R	VKVI	KNKV	APPFR	QAE	F	ILY	GE	ISWE	GEL	IDIG	VKNDI	INKS	GAWYSYN	294	
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIR	RRTGS...	I.KK	GEVLI	GNET	R	VKVI	KNKV	APPFR	QAE	F	ILY	GE	ISWE	GEL	IDIG	VKNDI	INKS	GAWYSYN	294	
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIR	RRTGS...	I.KK	GEVLI	GNET	R	VKVI	KNKV	APPFR	QAE	F	ILY	GE	ISWE	GEL	IDIG	VKNDI	INKS	GAWYSYN	294	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIR	RRTGA...	I.KE	GEVLI	GNET	R	VVKN	KIA	APPF	KEANT	QIM	YCG	GFNR	REG	ELDL	GVKHK	MVEK	SGAW	YSYN	293	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIR	RRTGA...	I.KE	GEVLI	GNET	R	VVKN	KIA	APPF	KEANT	QIM	YCG	GFNR	REG	ELDL	GVKHK	MVEK	SGAW	YSYN	293	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIR	RRTGA...	V.KE	GEVLI	GSET	KV	VVKN	KM	APPF	REAI	FQIL	YCK	VNQL	GEL	VDL	AVQQ	NIVQ	KAGAW	YSYQ	293	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIR	RRTGA...	V.KE	GEVLI	GSET	KV	VVKN	KM	APPF	REAI	FQIL	YCK	VNQL	GEL	VDL	AVQQ	NIVQ	KAGAW	YSYQ	293	
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIR	RRTGA...	V.KE	GEVLI	GSET	R	VVKN	KVAPPF	RQAE	FQIL	YCK	GIY	EN	GE	IIDL	GVQQ	GLVEK	SGAW	AYK	293	
consensus	*!!**!*!	*	**	*****!***!!*!!*!!*!	*	*****!*!***	*****	*	***	!***	*****	*	***	!***	***	!***	***	!***	***	!***	***

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 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 196686 FORC46 RS08175 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
NTDB id 1124 NGFG RS03960 WP 003688695.1 ... 348
NTDB id 1123 OK783 RS03845 WP 003688695.1 ... 348
NTDB id 1427 RS RS02760 WP 011000510.1 ... 352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 ... 354
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
```

 non conserved
 similar
 ≥ 50% conserved