

logo

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 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
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 67901 AABE56 RS05165 WP 000963143.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGI	I	IKKSGAWFAYN	312								
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKAEAFVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKAEAFVEIMYGE	GISK	TGELLKIASDL	DI	IKKAGAWYSYK	311					
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFKVAEVEIMYGE	GISRTGELVKIASDL	DI	IQKAGAWFSYN	311						
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGKETKIKVVKNKVAPPFKAEAFVEI	IYGE	GISRTGELVKIASDL	GII	QKAGAWYSYN	311					
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DV	MGNKTKIKVVKNKVAPPFR	TAEVDIMYGE	GISKEGEI	IDLGTEL	DI	VQKSGSWYSYE	292				
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....DM	IGNRARIKVVKNKVAPPFKVAEVDIMY	GQGISRTGELVDMAVEK	DI	INKSGSWYSYG	294						
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTVKIKTVKNKVAAPFKEVEL	ALVYGKGF	QDLS	DLVGL	AADMDI	IKKAGSFYSYG	307				
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNEEP	IGNRVKVVKNKVAPPFRQAEF	DVMFG	EGLS	REGELIDYGV	KLDIV	DKSGAWFSYK	294				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQH	IGNRAKAKVVKNKVAPPFR	EA	FE	DFIM	FGE	GISKEGEI	IDYGV	KLDIV	DKSGAWLSYQ	296	
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQH	IGNRAKAKVVKNKVAPPFR	EA	FE	DFIM	FGE	GISKEGEI	IDYGV	KLDIV	DKSGAWLSYQ	296	
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKVVKNKVAPPFKSA	EF	DFIM	YGE	GVSKVGE	ILDVAT	DL	DI	IQKSGSWFSYQ	307	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEI	IGSETKVVKNKVAPPFR	EV	QF	DFIM	YGE	GISRMNELLILAE	ANGFI	IKKSGAWFSYD	310		
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGE	EEVLGN	ETRVKVI	KNKVAPPFRQAEF	DFIL	YGE	GISWEGELIDIGV	KNDI	INKSGAWYSYN	294		
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGE	EEVLGN	ETRVKVI	KNKVAPPFRQAEF	DFIL	YGE	GISWEGELIDIGV	KNDI	INKSGAWYSYN	294		
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKGE	EEVLGN	ETRVKVI	KNKVAPPFRQAEF	DFIL	YGE	GISWEGELIDIGV	KNDI	INKSGAWYSYN	294		
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKGE	DEV	VGNETKVVKNKVAPPFR	EA	IF	DFIL	YGA	GV	SREGEI	IDLGVEAK	VVEKSGAWYSYN	302
NTDB id 67901 AABE56 RS05165 WP 000963143.1	SVRLDIRRIGA....V.KEG	ENV	VGSETRV	KVVKNKIAAPFKQAEFQ	ILYGE	G	IN	FY	GELVDLGV	KEKLI	EKAGAWYSYK	295
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEV	VGNETRIKVVKNKIAAPFKE	ANTQIMYGG	GFNR	REGELIDLG	VKHKM	V	EKSGAWYSYN	293		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEV	VGNETRIKVVKNKIAAPFKE	ANTQIMYGG	GFNR	REGELIDLG	VKHKM	V	EKSGAWYSYN	293		
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEG	DEV	VGSETRV	KVVKNKVAPPFRQAEFQ	ILYGKGI	YRNGE	I	DLGV	QGLV	EKSGAWYAYK	293	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEG	DEI	IGSETKVVKNKMA	PPFRE	AI	FQILYGKGV	NQLGELVDLAV	QQNIV	QKAGAWYSYQ	293		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEI	VGSETKVVKNKMA	PPFRE	AI	FQILYGKGTNQLGELVDLAV	QQDIV	QKAGAWYSYQ	293			
consensus	*!!**!* *	*	**	*****!*****!*****!*	*	*****!*****	*****	***	***	!*****!		

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKEE	EKAVETEEIELELED		387			
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIE		385			
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIE		385			
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIE		385			
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIE		385			
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAES	KKDE	AAQVDS	.VNEEVTLDLGDELEIE	381			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAES	KKDE	VAQVDS	.VNEEVTLDLGDELEIE	381			
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAVASE	E	TDDLALDLN	GIEIE	377			
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEEKQSSKEK	ETDE	K..ADKNLVLELDDT	IELE	382			
NTDB id 115 BSU 16940 NP 389576.2	EEERLGGQ	RENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQAEETQEEL	EFEE	E		348			
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	.QI	.NILPDDST	EE	355			
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIAERP	EMEQEIRDRVMAA	IRAGNAGEAPALAP	APAAPEAA	EA		363			
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGQ	RENSKAFLENPEIA	DEITKAIQNSMG	TEGM	ISGSEDDEG	EE		343			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGQ	RENAKALLKEDKAL	ADEITLKIKESIG	SNEE	IMPLPDEPL	EEME		347			
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGQ	RENAKALLKEDKAL	ADEITLKIKESIG	SNEE	IMPLPDEPL	EEME		347			
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGQ	RDITVKELIKDNPE	LAELEAKIREKLQ	AK				343			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEIA	DKLEQIRNTLAS	NP	SVLKATASDSN	...DES	DVEEFSEEEL	372			
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMH	ITEG	T	...QDET	DGERPEE	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMH	ITEG	T	...QDET	DGERPEE	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMH	ITEG	T	...QDET	DGERPEE	348		
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENAEL	AREIENKVVREHL	GVTPM	GAVTLAE	VE...ED		352			
NTDB id 67901 AABE56 RS05165 WP 000963143.1	GEKIGQG	KANATAWLKDNPET	AKIEKKVRELLS	NP	STPDFSV	...D	...DSEG	VAETNEDF	353		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLLKENPEIA	KTLDKKLREML	LN	NPEN	MQLIAETSSAA	...DDV	EF	GAVPEEF	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLLKENPEIA	KTLDKKLREML	LN	NPEN	MQLIAETSSAA	...DDV	EF	GAVPEEF	354	
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAAYYLEENPEI	QIEEQIRAKLL	VTSA	NTKATPVAEDL	...ADAD	I			347	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYLEENPQ	ISTEIEAVIREQL	LT	TKAS	DQTAA	.HDETE	...EEP	DLLES	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENNQ	IAEEIERNIREQL	LT	TGT	NGAVQ	.I	.EDE	...EEP	DLLES	349
consensus	***!!!	*****	**	*****	*****	**	*	*	*		

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NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349

consensus

 non conserved
 similar
 ≥ 50% conserved