

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 272180 C5B74 RS17090 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 272180 C5B74 RS17090 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 272180 C5B74 RS17090 WP 001274990.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

[illegible]

NTDB	id 1410	SGL RS13950 WP 010873519.1	QDDFNQDLLEQYAIREEWAAAEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDA	NQAPVINLVNKILAKA	244	
NTDB	id 1028	TT RS08215 WP 011173991.1	EAATKTLERFYGKAELSEIAKEF.....	AKKQAEVEVPSPLEL	DESAAQKFVKQVIREA	518	
NTDB	id 1168	A1552VC RS11070 WP 000957200.1	HRALQAARRLYGRSISQGAANGK...EI.SQDELANL.....	VKVSDDLELQSIEDLSQ	DDSPVSRFINQVLLDA	193	
NTDB	id 1293	VP RS12240 WP 005479695.1	FRELSTAIRLYGRSLSHEKSGLK...EI.NQEELASL.....	VDVGAEIDNIEDLSQ	DESPVSRYINQILLDA	193	
NTDB	id 1401	DSB67 RS12665 WP 010643259.1	FRELTAARRLYGRSLGSGKSGLK...EI.NQDELAGL.....	VDGIDEIENIEDLSQ	DESPVSRYINQILLDA	193	
NTDB	id 1110	NGFG RS09235 WP 003689817.1	DDQLAGLDLWVGSRSTSL...LQEL.....	GEG.....	QEEESHTLYIDNEEA	EDGPVPRFIHKTLSDA	183
NTDB	id 1251	GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESSQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVT	DDAPIVKFVNKILLDA	202	
NTDB	id 272180	C5B74 RS17090 WP 001274990.1	HHKLEKVLGQHFEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDDEEAPQG	DEAPIVKYINKLLIDA	197	
NTDB	id 1058	ABD1 RS01615 WP 001274986.1	HHKLEKVLGQHFEESSFDFNDE...EF.D...LDVN.....	LDGPPTAQEDDEEAPQG	DEAPIVKYINKLLIDA	197	
NTDB	id 1018	ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDDDKCLK	DEAPIVKYINKLLIDA	197	
consensus			* ** * * * *	* * * * *	* * * * *	!	

NTDB id 1410	SGL RS13950 WP 010873519.1	LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVDFRV	322
NTDB id 1028	TT RS08215 WP 011173991.1	FLQDASDIHIEPRQNDVQVRLRIDGALRPYSTL.PKGALNAVISVVVKIMGGLNIAEKRLPQDGRVRYR..EGAIDVDLRL	595
NTDB id 1168	A1552VC RS11070 WP 000957200.1	VRKGASDIHFEPYENQYRILRLCDGITLVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV	271
NTDB id 1293	VP RS12240 WP 005479695.1	VRKGASDIHFEPYEKMYYRVLLRCDGILLETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNG.DTAIDMRV	271
NTDB id 1401	DSB67 RS12665 WP 010643259.1	VRKGASDIHFEPYEMMYRVLLRCDGILLETQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNG.DTAIDMRV	271
NTDB id 1110	NGFG RS09235 WP 003689817.1	LRSGASDIHFEFYEHNAIRIRFVDDGQLREVVPQPIAVRGQLASRIKVMNSLDISEKRIPQDGMQLTFQKGGKPVDFRV	262
NTDB id 1251	GCO85 RS07725 WP 011946523.1	TRQGASDIHFEPYERFYRIRYRQDGTLEHVATP.PASLSRITARIKVMNSLDISERRIPQDGFCKMKISK.SRAIDFRV	280
NTDB id 272180	C5B74 RS17090 WP 001274990.1	IRMGASDLHFEPYEKSYRVRYVDDGMLRQIANP.PLQLANRLASRLKVMSQMDISEKRVPPQDGRIKLKLSK.SKAIIDFRV	275
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IRMGASDLHFEPYEKSYRVRYVDDGVLRLQIANP.PLQLANRLASRLKVMSQMDISEKRVPPQDGRIKLKLSK.SKAIIDFRV	275
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IRMSASDLHFEPYEKSYRVRYVDDGVLRLLIATP.PLQLATRLASRLKVMSQMDISEKRVPPQDGRIKLKMSK.SKTIDFRV	275
consensus		* * * * ! * ! * ! * * * * * * ! * ! * ! * ! * * * * * * ! * ! * ! * ! * * * * * * ! * ! * ! *	

NTDB id 1410	SGL RS13950 WP 010873519.1	N	T	L	P	S	R	Y	G	E	K	V	C	L	R	I	L	D	S	A	T	Q	L	G	L	D	F	L	I	T	N	P	E	T	L	Q	T	V	R	E	L	A	A	R	P	Y	G	L	M	V	T	G	P	T	G	S	G	K	S	T	T	L	Y	S	V	L	A	E	R	N	S	P	E	V	N	I	N	T	A		
NTDB id 1028	TT RS08215 WP 011173991.1	S	T	L	P	T	V	Y	G	E	K	A	V	M	R	L	L	K	K	A	S	D	I	P	E	I	E	D	L	G	F	A	P	G	V	F	E	R	F	K	E	V	I	S	K	P	Y	G	I	F	L	I	T	G	P	T	G	S	G	K	S	F	T	T	F	S	I	L	K	R	I	A	T	P	D	K	N	T	Q	T	I
NTDB id 1168	A1552VC RS11070 WP 000957200.1	S	T	L	P	T	L	W	G	E	K	I	V	L	R	L	D	S	S	A	A	N	L	D	I	D	K	L	G	Y	N	P	Q	Q	K	Q	L	Y	L	N	A	L	K	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	T	G	L	R	I	L	N	T	S	Q	I	N	I	S	T	A		
NTDB id 1293	VP RS12240 WP 005479695.1	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	D	S	S	A	S	L	D	I	D	K	L	G	Y	S	E	Q	Q	K	Q	L	Y	L	E	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	T	G	L	N	I	L	N	K	P	E	I	N	I	S	T	A			
NTDB id 1401	DSB67 RS12665 WP 010643259.1	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	D	S	S	A	A	L	D	I	N	K	L	G	Y	S	D	S	Q	Q	K	Q	L	Y	L	D	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	T	G	L	N	I	L	N	K	P	E	I	N	I	S	T	A		
NTDB id 1110	NGF6 RS09235 WP 003689817.1	S	T	L	P	T	L	F	G	E	K	V	M	R	I	L	N	S	D	A	S	L	N	I	D	Q	L	G	F	E	P	F	Q	K	K	L	L	E	A	I	H	R	P	Y	G	M	V	L	T	G	P	T	G	S	G	K	T	V	S	L	T	C	L	N	I	L	N	T	E	S	V	N	I	A	T	A					
NTDB id 1251	GC085 RS07725 WP 011946523.1	S	T	C	P	T	S	A	G	E	K	V	M	R	V	L	D	S	G	A	A	K	L	G	I	E	A	L	G	F	N	P	V	Q	R	T	N	F	L	K	A	I	Q	R	P	Q	G	M	I	L	V	T	G	P	T	G	S	G	K	T	V	T	L	Y	T	A	L	N	I	L	N	T	I	E	V	N	I	S	T	A	
NTDB id 272180	C5B74 RS17090 WP 001274990.1	N	S	L	P	T	L	F	G	E	K	I	V	L	R	I	L	D	P	S	S	A	M	L	G	I	D	A	L	G	Y	E	E	D	Q	K	A	L	F	M	E	A	L	D	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	T	G	L	N	I	L	N	T	E	S	S	N	I	S	T	A		
NTDB id 1058	ABD1 RS01615 WP 001274986.1	N	S	L	P	T	L	F	G	E	K	I	V	L	R	I	L	D	P	S	S	A	M	L	G	I	D	A	L	G	Y	E	E	D	Q	K	A	L	F	M	E	A	L	D	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	T	G	L	N	I	L	N	T	E	S	S	N	I	S	T	A		
NTDB id 1018	ACIAD RS01685 WP 004920473.1	N	S	L	P	T	L	F	G	E																																																																							

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consensus		



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NTDB id	1028	TT RS08215 WP 011173991.1
NTDB id	1168	A1552VC RS11070 WP 000957200.1
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consensus		



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logo

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NTDB id	1028	TT RS08215 WP 011173991.1
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consensus		



641
889
562
561
561
558
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570

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 272180 C5B74 RS17090 WP 001274990.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved