

logo

NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 423172 GN234 RS22865 WP 109756360.1	.....	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 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 423172 GN234 RS22865 WP 109756360.1	.....	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 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 423172 GN234 RS22865 WP 109756360.1	.....	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 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 423172 GN234 RS22865 WP 109756360.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1028	TT RS08215 WP 011173991.1	KEALEVQKGLPRAKP	LGEILVELGLARPEDVEEALQKQRGGGRLEDTLVQSGKLRP	EALAQAVATQLGYPYVDPEEDPP	400												
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVG	LLRLVLQNQVVTV	EQAEHYYNESQ.ACKEVLPLMFSFDGVI	SPKSLAALIARVFSSYILDLRHYPR	68											
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLT	NLVALLRQAELISATQE	QAVVTQVSASGTSVPEALL	ELSIFHAQELTEQLSHIFGLPETDL	SRDYD	69										
NTDB id 1293	VP RS12240 WP 005479695.1	MHSN	LSTLIRQKGLLTFS	QEESLIEQVKASGISMP	EALLSSGGFTSSELAEHLS	SIFGLSQPELSQYEY	69										
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLT	NLSTLVRQAGILLT	FSEQESLLEQVKVASGISM	PEALLSSGGFFQSHELTHELSS	VFGLSCTSLNQYEY	69										
NTDB id 1251	GCO85 RS07725 WP 011946523.1	...MALATEEYRLQ	TIGQLLVLEKLLDKTKAI	ELHKLAAAEKISLLQYIV	KNKILSAEQIALTA	AQNFVGPMLDINCIDV	77										
NTDB id 423172	GN234 RS22865 WP 109756360.1	MNDIALS	GLTKQLVLAELLTEQ	SAQQAYQQAQRSRIPLVSYLV	QNKLVQSRQVAEIA	SEHFGVALLDLNSLDK	73										
NTDB id 1058	ABD1 RS01615 WP 001274986.1	...MSALHTSPKF	TGFRRLLVEEKHVSAATMQ	TALDAAKRAKQDTVAYLIEEV	HLSPSLLAETISA	EAFAPYFDLDVYDT	77										
NTDB id 1018	ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFS	GFIIRLVEEGYVNAQNMQ	QALAKAKFKQDIVPYLI	DNFSISPILTAEII	LSLEFGEPLLDLGVDF	77										
consensus		***	*!*	***	*	*	***	*	**	***	*	***	*	***	*	***	*

NTDB id 1028	TT RS08215 WP 011173991.1	DPGAPL	L	L	P	E	D	L	C	R	R	Y	G	V	F	P	H	R	L	E	G	N	R	L	V	L	L	M	K	D	P	R	N	I	L	A	L	D	D	V	R	L	A	L	K	R	K	G	L	N	Y	E	V	A	P	A	V	A	T	E	A	A	I	T	K	L	I	E	R	F	Y	G	K	A	E	L	480	
NTDB id 1110	NGFG RS09235 WP 003689817.1	HRV	L	M	G	V	L	T	E	E	Q	M	V	E	F	H	C	V	P	V	F	R	G	D	K	V	F	F	A	V	S	D	P	T	Q	M	P	Q	I	Q	K	T	V	S	A	A	G		I	A	V	E	L	V	I	V	E	D	D	Q	I	A	G	L	L	D	W	V	G	S	R	S	T	S	143			
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ANL	C	Q	Q	L	G	L	R	E	L	I	T	R	Y	D	A	L	P	I	A	K	Q	C	N	L	L	L	A	V	S	D	P	T	L	L	Q	A	E	E	E	F	R	F	A	T	G		L	Q	V	E	L	A	L	A	D	H	R	A	L	Q	A	A	I	R	R	L	Y	G	R	S	I	Q	144			
NTDB id 1293	VP RS12240 WP 005479695.1	ASL	C	Q	Q	L	G	L	R	E	L	I	T	R	H	N	A	L	P	L	H	R	T	P	S	T	L	L	A	V	A	D	P	T	N	Q	A	E	D	D	F	R	F	A	T	G		L	Q	V	E	L	V	L	A	D	F	R	E	L	S	T	A	I	R	R	L	Y	G	R	S	I	Q	144				
NTDB id 1401	DSB67 RS12665 WP 010643259.1	ASL	C	Q	T	L	G	L	R	D	L	I	T	R	H	N	A	L	P	L	N	T	S	S	T	L	L	A	V	A	D	P	T	N	L	Q	A	E	D	D	F	R	F	A	T	G		L	Q	V	E	L	V	L	A	D	F	R	E	L	T	A	I	R	R	L	Y	G	R	S	I	Q	144					
NTDB id 1251	GCO85 RS07725 WP 011946523.1	G	T	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	G	T	N	L	Y	L	A	T	D	D	P	S	K	Q	A	S	L	K	E	I	Q	F	H	T	G		L	N	T	H	A	I	V	V	E	T	D	K	L	S	A	L	I	D	N	L	L	T	A	K	E	S	152
NTDB id 423172	GN234 RS22865 WP 109756360.1	E	T	Q	P	T	G	L	V	S	E	K	L	V	R	Q	H	H	A	L	P	L	W	R	G	N	K	L	F	V	G	I	S	D	P	T	N	H	Q	A	I	N	D	I	Q	F	S	T	G		L	T	T	E	A	I	L	V	E	D	D	K	L	S	D	A	I	E	K	F	F	E	S	S	T	148		
NTDB id 1058	ABD1 RS01615 WP 001274986.1	S	Q	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	G	Q	I	L	Y	V	A	T	S	N	P	S	N	T	E	A	I	D	A	I	R	F	N	S	K		L	L	V	E	P	V	I	V	E	H	H	K	L	E	K	V	L	G	H	F	A	E	S	S	T	152	
NTDB id 1018	ACIAD RS0168																																																																													

NTDB id 1028	TT RS08215 WP 011173991.1	SEIA.....KEFAKKQAE	EEVPSPLEL	DESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALRP	547	
NTDB id 1110	NGFG RS09235 WP 003689817.1	LL.QELGEGG.....	EEESHTLYIDNEEA	EDGVPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVVDGQLRE	212	
NTDB id 1168	A1552VC RS11070 WP 000957200.1	GAANQG..K	BISQDEANLVKVS	DELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRC	222	
NTDB id 1293	VP RS12240 WP 005479695.1	HEKSGL..K	BNQEEASLV	DVGADIEDNIEDLSQDESPPVSRFINQVLLDAVRKGASDIHFEPYEMMYRVLRLC	222	
NTDB id 1401	DSB67 RS12665 WP 010643259.1	QEKSGL..K	BNQEEASLV	DIGEDIEENIEDLSQDESPPVSRFINQVLLDAVRKGASDIHFEPYENMYRVLRLC	222	
NTDB id 1251	GC085 RS07725 WP 011946523.1	QGLSEYVEDSGDL	GLEISADDED	.QDIDTATSVTD	DAPIVKFKVNKILLDAIRQGASDIHFEPYEREYRIRYRQ	231
NTDB id 423172	GN234 RS22865 WP 109756360.1	G...LEGMG	DVLDGLDIESI	.DDTKQDSTAGQDT	DAPVVRVFNKMLLDAIKGSSDLHFEPYEKIYRVRVRT	224
NTDB id 1058	ABD1 RS01615 WP 001274986.1	F...DFNDE	EFDL...VNI	DGPТАQDEEE	EAPQGDEAPIVKYINKLLTDAIRMGASDLHFEPYEKSYRVRVYRV	226
NTDB id 1018	ACIAD RS01685 WP 004920473.1	F...NFDTE	EFDL...VEV	DPHTTDDDED	DKLKDAPIVKYINKLLTDAIRMSASDLHFEPYEKSYRVRVYRV	226
consensus		*****	*****	*****	*****	

[illegible]

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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus
```



 non conserved
 similar
 $\geq 50\%$ conserved