

logo

NTDB	id	617	LCA	RS06480	WP	011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLETRRQSGLVTNQELDKPTGTRYINRLKYMGMDISETRRAGTGRSELQLAD	84
NTDB	id	586	KW2	RS10855	WP	011836048.1	..MVQKKKAQELIQKAIEMEASDIYLLIASNLYKIYIRQQLGRTLTeeVNCeIGLALLTHFKFLAGMNTGERRRVQLGACWYELEG	83
NTDB	id	429	SGO	RS09420	WP	012130942.1	..MVQKIAQAIVRKAKKEECAQDIYFVPKDLCEYLMRIgDERRFITQTYDFDLAAVISHFKFLAGMNvGEKRrsQLGSCDYRYDD	83
NTDB	id	500	SM12261	RS00945	WP	000249545.1	..MVQEIAAQEIIRSARKKGAGQDIYFVPKLDAyELHMRVGDERCKIGCYDFEFKFAAVISHFKFVAGMNVGEKRrsQLGSCDYEYDQ	83
NTDB	id	270	KZH43	RS09265	WP	000249564.1	..MVQEIAAQEIIRSARKKGTQDIYFVPKLDAyELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRrsQLGSCDYAYDH	83
NTDB	id	229	SPD	RS09895	WP	000249564.1	..MVQEIAAQEIIRSARKKGTQDIYFVPKLDAyELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRrsQLGSCDYAYDH	83
NTDB	id	195	SPR	RS09430	WP	000249564.1	..MVQEIAAQEIIRSARKKGTQDIYFVPKLDAyELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRrsQLGSCDYAYDH	83
NTDB	id	160	SP	RS10380	WP	000249564.1	..MVQEIAAQEIIRSARKKGTQDIYFVPKLDAyELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRrsQLGSCDYAYDH	83
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	MVEVQELGKETIRQAVEEQAQDIYLLPKPAVKIYLHFCEKRRHLITCQPEQAAGTISHFKFLAGMNvGEKRRAQLGACDYAFAD	85
NTDB	id	38733	KE3	RS00235	WP	020915987.1	..MTQEKAKQLIKDAVEKNVQDIYIVPKKHEHYEYQRVGDERQFIQEVASDEMTSVISHFKFVAGMNVGEKRrsQLGSCDYEFAE	83
NTDB	id	385	SMU	RS09035	WP	002263435.1	..MVQKILGRKIIAEAVQNKAQDIYIIPKKESEYELMRIcNERRFIDVYDHHFMANTISHFKFVAGMNVGEKRrsQLGSCDYSYDE	83
NTDB	id	394	FSA28	RS09405	WP	002291652.1	..MVQKILGRKIIAEAVQNKAQDIYIIPKKESEYELMRIcNERRFIDVYDHHFMANTISHFKFVAGMNVGEKRrsQLGSCDYSYDE	83
consensus							* * * * *	

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NTDB id 617 LCA RS06480 WP 011375001.1 .QTIYLRRLATVGDFLNR~~E~~SLVIRFITYPIGAIYHCD~~D~~QILAQLTQMSRQSGLILFAGPTSGSKTTSLYHLAQQSMSAKMVVAIED 168
NTDB id 586 KW2 RS10855 WP 011836048.1 SSAKRLRLSTVGDFE~~E~~CN~~E~~SLVIRLLHDQKQELEFWFD.DK.LQDFRCKRGLYLFA~~G~~PVGS~~G~~KTSLMFLDAHRHFSSNAQVITIEE 165
NTDB id 429 SGO RS09420 WP 012130942.1 .KETSI~~R~~LRLSTVG~~D~~YRGYESLVIRLLHDEETELKFWFHT.HFPELREKF~~K~~DRGLYLFS~~S~~GPVGS~~G~~KTTLMHQLAQLKFKCQ~~Q~~VMSIED 166
NTDB id 500 SM12261 RS00945 WP 000249545.1 .KMASLRLSTVG~~D~~YRGYESLVIRLLHDEEQDLHFWFQ.DTEBLGKQYRQRGLYLFA~~G~~PVGS~~G~~KTTLMHELAKSLFKCQ~~Q~~VMSIED 166
NTDB id 270 KZH43 RS09265 WP 000249564.1 .KIASLRLSTVG~~D~~YRGYESLVIRLLHDEEQDLHFWFQ.DTEBLGKQYRQRGLYLFA~~G~~PVGS~~G~~KTTLMHELSKSLFKCQ~~Q~~VMSIED 166
NTDB id 229 SPD RS09895 WP 000249564.1 .KIASLRLSTVG~~D~~YRGYESLVIRLLHDEEQDLHFWFQ.DTEBLGKQYRQRGLYLFA~~G~~PVGS~~G~~KTTLMHELSKSLFKCQ~~Q~~VMSIED 166
NTDB id 195 SPR RS09430 WP 000249564.1 .KIASLRLSTVG~~D~~YRGYESLVIRLLHDEEQDLHFWFQ.DTEBLGKQYRQRGLYLFA~~G~~PVGS~~G~~KTTLMHELSKSLFKCQ~~Q~~VMSIED 166
NTDB id 160 SP RS10380 WP 000249564.1 .KIASLRLSTVG~~D~~YRGYESLVIRLLHDEEQDLHFWFQ.DTEBLGKQYRQRGLYLFA~~G~~PVGS~~G~~KTTLMHELSKSLFKCQ~~Q~~VMSIED 166
NTDB id 584 DLJ51 RS00890 WP 019777327.1 GETAALRLSTVG~~D~~YQGRESLVIRLLFD~~R~~KRELKFWFD.GINALLPKIIGRGLYLFS~~S~~GPVGS~~G~~KTTLMYELVSRKYPD~~S~~QIITIED 169
NTDB id 38733 KE3 RS00235 WP 020915987.1 GEEISLRLSTVG~~D~~YGRGRESLVIRLLYSGRHDLQYWFD.GMKNILEAIDSRGLYLFS~~S~~GPVGS~~G~~KTTLMYQLVREKFPDKQVITIED 167
NTDB id 385 SMU RS09035 WP 002263435.1 GKVISLRLS~~S~~VGDYRGYESLVIRLLFSGRHDLKFWFN.SMDILLNEIKRGLYLFS~~S~~GPVGS~~G~~KTSLMYQLVKLRFETKQVITIED 167
NTDB id 394 FSA28 RS09405 WP 002291652.1 GKVISLRLS~~S~~VGDYRGYESLVIRLLFSGRHDLKFWFN.SMDILLNEIKRGLYLFS~~S~~GPVGS~~G~~KTSLMYQLVKLRFETKQVITIED 167
consensus * * * * * ! * * * * ! * * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! *

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NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	N	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	L	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	V	A	R	L	L	D	L	G	I	S	E	L	253																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	586	KW2	RS10855	WP	011836048.1	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	Q	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	A	S	V	K	G	V	V	Q	R	L	L	E	L	G	L	S	D	W	250																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	429	SGO	RS09420	WP	012130942.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	270	KZH43	RS09265	WP	000249564.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	229	SPD	RS09895	WP	000249564.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	195	SPR	RS09430	WP	000249564.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	160	SP	RS10380	WP	000249564.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	P	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	G	E	I	R	D	R	E	T	A	Q	Y	V	I	R	A	S	L	T	G	I	R	V	F	S	T	V	H	A	K	S	I	P	G	V	Y	A	R	I	L	E	L	G	V	S	Q	D	254																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	38733	KE3	RS00235	WP	020915987.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	D	E	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	I	L	I	G	E	I	R	D	S	E	T	A	R	A	V	I	R	A	S	L	T	G	V	L	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	L	L	E	L	G	V	S	R	Q	252																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	I	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	G	T	S	S	E	252																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	I	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	G	T	S	S	E	252																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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NTDB id 617 LCA RS06480 WP 011375001.1
NTDB id 586 KW2 RS10855 WP 011836048.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
NTDB id 584 DLJ51 RS00890 WP 019777327.1
NTDB id 38733 KE3 RS00235 WP 020915987.1
NTDB id 385 SMU RS09035 WP 002263435.1
NTDB id 394 FSA28 RS09405 WP 002291652.1
consensus

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-  non conserved
-  similar
-  $\geq 50\%$ conserved