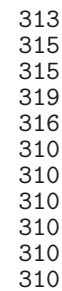


NTDB id	587	KW2 RS10850 WP	042211510.1	MQT	DILRLLRPKGKKLALIKQAKLIQLMGNNLNNGFNLGVEINFLALSKEVKEFVFVKMHQGLSSGKSLSEIL	73
NTDB id	395	FSA28 RS09400 WP	257638827.1	MTFLQQ	DISLKEKHKKKKLKIKQRKVIFLFNNLFTSGFNLTETIDFLERSHLLAEIYTKKMRQGILLNGLHLAEIM	76
NTDB id	386	SMU RS09030 WP	255262721.1	MTFLQQ	DISLKEKHKKKKLKIKQRKVIFLFNNLFTSGFNLTETIDFLERSHLLAEIYTKKMRQGILLNGLHLAEIM	76
NTDB id	157351	AN924 RSO4600 WP	255195823.1	MRKLIAFLQQ	DISVLGRQKQKKPLARQKRVIELFNLFASGFHLGEIVDFLKRSQLADLAYTVQLSDGLLAGKPFSLL	80
NTDB id	430	SOG RS09415 WP	012130941.1	...MISFLQQ	DISILSKQKQKKLGTLSKQKVIELFNLFSSGFHLAETVDFLGRSALLEKNYVQKMRQGLANGQAfSEIM	77
NTDB id	271	KZH43 RS09260 WP	074196785.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMVRVGLSQGKSFSemm	71
NTDB id	230	SPD RS09890 WP	074196785.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMVRVGLSQGKSFSemm	71
NTDB id	196	SPR RS09425 WP	074196785.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMVRVGLSQGKSFSemm	71
NTDB id	161	SP RS10375 WP	074196785.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMVRVGLSQGKSFSemm	71
NTDB id	529	SMSK321 RS09235 WP	080550783.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRTDLSSGKSFSemm	71
NTDB id	501	SM12261 RSO0950 WP	004238896.1		MDSIQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRAGLSQGKSFSemm	71
consensus					*!!!!*****!!*****!****!*!!**!!*!!***!!*!!*!!*!!!*!!*!!*!!*!!*!!*!!*!!*!!*	

NTDB id 587 KW2 RS10850 WP 042211510.1	ESLSFSKNVVTQLALVEVHGNIIVGTMQLVELHKKKLKVKKKKLIEVATYPVVLLVFLIGIMWGLKNYLLPQLDKGN	NFAT	153
NTDB id 395 FSA28 RS09400 WP 257638827.1	SSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNLIILVKKKLVVEVITYPIILLIFLVVIMLGKKNYLLPQL	EKG.NFAT	155
NTDB id 386 SMU RS09030 WP 255262721.1	SSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNLIILVKKKLVVEVITYPIILLIFLVVIMLGKKNYLLPQL	ERG.NFAT	155
NTDB id 157351 AN924 RS04600 WP 255195823.1	ADLRFSDAVVTQVALAEVHGNTSLSLSHIQSYLENVSKVRKKLIEVATYPIILLGFLFIMLGKKNYLLPQL	EEG.NAAT	159
NTDB id 430 SGO RS09415 WP 012130941.1	ASLGFSDAVVTQLSLAEHLGNLSALLKIEEYLDNLAKVKKKKLIEVATYPMMLLGFLLVLIMIGLRNYLLPQL	SSQ.NFAT	156
NTDB id 271 KZH43 RS09260 WP 074196785.1	ESLGCSSAIVTQLSLAEVHGNIHLISLGKIEEYLDNLAKVKKKKLIEVATYPLILLGFLLLIMLGLRNYLLPQLDSS	.NIAT	150
NTDB id 230 SPD RS09890 WP 074196785.1	ESLGCSSAIVTQLSLAEVHGNIHLISLGKIEEYLDNLAKVKKKKLIEVATYPLILLGFLLLIMLGLRNYLLPQLDSS	.NIAT	150
NTDB id 196 SPR RS09425 WP 074196785.1	ESLGCSSAIVTQLSLAEVHGNIHLISLGKIEEYLDNLAKVKKKKLIEVATYPLILLGFLLLIMLGLRNYLLPQLDSS	.NIAT	150
NTDB id 161 SP RS10375 WP 074196785.1	ESLGCSSAIVTQLSLAEVHGNIHLISLGKIEEYLDNLAKVKKKKLIEVATYPLILLGFLLLIMLGLRNYLLPQLDSS	.NIAT	150
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NTDB id 501 SM12261 RS00950 WP 004238896.1	ESLGFSSAIVTQLSLAEVHGNIHLISLGKIEEYLDNLAKVKKKKLIEVATYPLILLGFLLLIMLGLRNYLLPQLDSS	.NIAT	150
consensus	* * ! * * ! * * * ! ! * * ! * * ! ! ! * * * * * * * * * ! * * * * * ! * ! ! * * ! ! * ! ! * * * ! * ! !		

NTDB	id	587	KW2	RS10850	WP	042211510.1	L	I	N	H	L	P	L	V	F	F	S	V	G	A	L	I	V	L	L	T	S	L	S	I	I	I	F	K	H	I	S	A	L	T	N	F	T	F	L	V	K	V	P	L	V	S	S	F	I	R	L	Y	L	T	A	Y	F	S	R	E	W	G	N	L	I	A	Q	G	V	E	L	R	Q	I	I	E	L	M	K		233
NTDB	id	395	FSA28	RS09400	WP	257638827.1	R	L	I	S	N	F	P	I	L	F	L	L	G	C	C	F	I	L	L	V	G	I	F	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	F	V	G	K	Y	L	Q	L	Y	L	T	A	Y	Y	A	R	E	W	G	N	L	I	G	Q	G	V	E	M	A	Q	I	V	R	L	M	Q		235
NTDB	id	386	SMU	RS09030	WP	255262721.1	R	L	I	S	N	F	P	I	L	F	L	L	G	C	C	F	I	L	L	V	G	I	F	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	F	A	G	K	Y	L	Q	L	Y	L	T	A	Y	Y	A	R	E	W	G	N	L	I	G	Q	G	V	E	M	A	Q	I	V	R	L	M	Q		235
NTDB	id	157351	AN924	RS04600	WP	255195823.1	M	L	I	N	H	L	P	T	I	F	L	L	T	S	C	L	S	L	V	A	V	L	A	G	M	V	F	R	K	T	N	K	I	K	A	F	S	R	L	A	L	P	F	G	K	L	I	Q	I	Y	L	T	A	Y	Y	A	R	E	W	G	N	L	I	G	Q	L	D	L	P	Q	I	V	I	G	L	M	Q		239		
NTDB	id	430	SGO	RS09415	WP	012130941.1	Q	L	I	G	H	L	P	T	I	F	L	L	T	S	L	M	L	G	L	T	G	A	I	Y	L	V	F	K	G	Q	K	R	I	P	V	S	F	L	A	R	L	P	F	V	G	S	F	V	R	I	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	G	Q	G	L	S	Q	I	F	Q	I	M	Q		236			
NTDB	id	271	KZH43	RS09260	WP	074196785.1	Q	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q		230
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NTDB	id	196	SPR	RS09425	WP	074196785.1	Q	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q		230
NTDB	id	161	SP	RS10375	WP	074196785.1	Q	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	F																																													

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
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NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 230 SPD RS09890 WP 074196785.1
NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
consensus



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NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
NTDB id 157351 AN924 RS04600 WP 255195823.1
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NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
consensus

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