

NTDB	id	129664	LG36	RS10800	WP	080739890.1	MSLGHQKIGIKKLISYLQMDSIHLLKPGRKKLRLIKQAQLIQLMGNLLNSGFNLGEVINFLSLSKIVEKEFTLKMEGLASGQSLS	85
NTDB	id	587	KW2	RS10850	WP	042211510.1	MQTDILRLRPKGKKLALIKQAQLIQLMGNLLNNGFNLDGEVINFLALSIVEKEFVFKMHQGLSSGKSLS	69
NTDB	id	395	FSA28	RS09400	WP	257638827.1	MTFLQQDISLKEKHKKKKLIKQKRKVIFLFNNFLTSGFNLTETIDFLERSHLLAEIYTKKMRQGILLNGLHL	72
NTDB	id	386	SMU	RS09030	WP	255262721.1	MTFLQQDISLKEKHKKKKLIKQKRKVIFLFNNFLTSGFNLTETIDFLERSHLLAEIYTKKMRQGILLNGLHL	72
NTDB	id	430	SGO	RS09415	WP	012130941.1	MISFLQQDISILSKQKQKKLCTSKQKQVIELFNLFSSGGFHLETVDFLCRALLEKNYVQQMRQGLANGQAF	73
NTDB	id	271	KZH43	RS09260	WP	074196785.1	MDISQVFRLRRKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRVGLSQGKSF	67
NTDB	id	230	SPD	RS09890	WP	074196785.1	MDISQVFRLRRKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRVGLSQGKSF	67
NTDB	id	196	SPR	RS09425	WP	074196785.1	MDISQVFRLRRKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRVGLSQGKSF	67
NTDB	id	161	SP	RS10375	WP	074196785.1	MDISQVFRLRRKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRVGLSQGKSF	67
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	MDISQVFRLRKKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRDLSQGKSF	67
NTDB	id	501	SM12261	RS00950	WP	004238896.1	MDISQVFRLRKKKLATAKQNIIITLFNNLFSSGGPHLVETISFLDRSALLDKQCVTQMRAGLSQGKSF	67
consensus								* ***** ** *** * ** * * * * * * * * *

NTDB	id	129664	LG36	RS10800	WP	080739890.1	SELLESLSFSKNVVTQLALVEVHGNLSGTMQVLVELHLKKQLKVKNKLV EVATYPILLIFLVMGLKNYLLPQLNSGSNFATL	170
NTDB	id	587	KW2	RS10850	WP	042211510.1	SEILESLSFSKNVVTQLALVEVHGNLVGTMQVLVELHLKKQLKVKKKLIEVATYPVVLLVFLIGIMWGLKNYLLPQLDKGNNFATL	154
NTDB	id	395	FSA28	RS09400	WP	257638827.1	A EIMSSSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNILVKKKLVEVITYPILLIFLVVIMLGLKNYLLPQLERGNFATR	156
NTDB	id	386	SMU	RS09030	WP	255262721.1	A EIMSSSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNILVKKKLVEVITYPILLIFLVVIMLGLKNYLLPQLERGNFATR	156
NTDB	id	430	SGO	RS09415	WP	012130941.1	SEIMASLGFSDAVVTQLSLAEVHGNLSLALLKIEEYLDNLA VKKKLIEVATYPMMLLGVLMILGRNYLLPQLSSQNFATQ	157
NTDB	id	271	KZH43	RS09260	WP	074196785.1	SEMME SLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLLIMLGRNYLLPQLDSSNIATQ	151
NTDB	id	230	SPD	RS09890	WP	074196785.1	SEMME SLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLLIMLGRNYLLPQLDSSNIATQ	151
NTDB	id	196	SPR	RS09425	WP	074196785.1	SEMME SLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLLIMLGRNYLLPQLDSSNIATQ	151
NTDB	id	161	SP	RS10375	WP	074196785.1	SEMME SLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLLIMLGRNYLLPQLDSSNIATQ	151
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	SEMME SLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLSIMLGRNYLLPQLDSSNIATQ	151
NTDB	id	501	SM12261	RS00950	WP	004238896.1	SEMME SLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLIEVATYPLILLGFLLSIMLGRNYLLPQLDSSNIATQ	151
consensus							* * * * *	151

NTDB	id	129664	LG36	RS10800	WP	080739890.1	L	I	N	H	L	P	L	V	F	F	S	F	G	A	F	I	F	L	L	T	A	L	S	V	T	L	F	K	R	K	S	A	I	M	N	F	T	F	L	V	K	L	P	L	I	H	S	F	I	R	L	Y	L	T	A	Y	F	A	R	E	W	G	N	L	I	A	Q	G	V	E	L	R	Q	I	I	N	L	M	K	K	Q	S	R	I		255
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	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	N	L	M	K	K	Q	S	R	I		239	
NTDB	id	395	FSA28	RS09400	WP	257638827.1	L	I	S	N	F	P	I	L	F	L	G	C	C	F	I	L	L	V	G	I	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	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	D	Q	K	S	L		241		
NTDB	id	386	SMU	RS09030	WP	255262721.1	L	I	S	N	F	P	I	L	F	L	G	C	C	F	I	L	L	V	G	I	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	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	D	Q	K	S	L		241		
NTDB	id	430	SGO	RS09415	WP	012130941.1	L	I	G	H	L	P	T	I	F	L	L	V	L	M	L	G	L	T	G	A	I	Y	L	V	F	K	G	K	Q	R	P	V	Y	S	F	L	A	R	L	P	P	F	G	S	F	V	R	I	L	T	A	Y	Y	A	R	E	W	G	N	M	I	G	Q	G	L	E	S	Q	I	F	Q	I	M	Q	E	Q	R	S	V	L		242				
NTDB	id	271	KZH43	RS09260	WP	074196785.1	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	P	I	G	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	E	Q	S	L		236			
NTDB	id	230	SPD	RS09890	WP	074196785.1	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	P	I	G	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	E	Q	S	L		236			
NTDB	id	196	SPR	RS09425	WP	074196785.1	I	I	G	N	L	P	Q	I	F	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	P	I	G	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	E	Q	S	L		236			
NTDB	id	161	SP	RS10375	WP	074196785.1	I	I	G	N	L	P	Q																																																																															

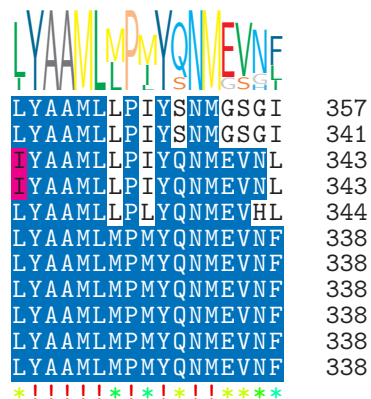
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NTDB id 129664 LG36 RS10800 WP 080739890.1
NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 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



logo

NTDB id 129664 LG36 RS10800 WP 080739890.1
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NTDB id 386 SMU RS09030 WP 255262721.1
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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



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