

NTDB id 587 KW2 RS10850 WP 042211510.1	MQTDLRLRLRPKGKKLALIKQAKLIQLMGNLLNNGFNLGVEVINFLALS KLV EKEFVFKM	59
NTDB id 395463 GFB63 RS03405 WP 144239090.1	MPEKISKITIRPTGISSWKVWLNKD VSLRGIS GKKLKISSQQVKVIQLFKQLLKAGFTLTLEI VAF LERSHLLKETSLSLM	80
NTDB id 395 FSA28 RS09400 WP 257638827.1	MTFLQQDISLKEKHKKQKKLKIKKQRKVIVQLFNNLFTSGFNLTLEIIDFLERSHLLAEIYTKKM	62
NTDB id 386 SMU RS09030 WP 255262721.1	MTFLQQDISLKEKHKKQKKLKIKKQRKVIVQLFNNLFTSGFNLTLEIIDFLERSHLLAEIYTKKM	62
NTDB id 430 SGO RS09415 WP 012130941.1	MISFLQQDISILSKKQKKKLGTSSKKQKQVIELFNNLFSSGFHLAETVD FLGRS ALL EKN YVQQM	63
NTDB id 271 KZH43 RS09260 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id 230 SPD RS09890 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id 196 SPR RS09425 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id 161 SP RS10375 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id 529 SMSK321 RS09235 WP 080550783.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id 501 SM12261 RS00950 WP 004238896.1	MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
consensus	* ! * * * * * * * ! * * * * * * * ! * * * * * * * ! * * * * * * * ! * * * * * * * !	

NTDB	id	587	KW2	RS10850	WP	042211510.1	HQGLSSGKSLSEILESLSFSKNVVTQALVEVHGNLVGTMQLVELHLKKQLKVKKKKLEI VATYPVVLLVFLIGIMWGLKN	139
NTDB	id	395463	GFB63	RS03405	WP	144239090.1	KESLIRGDRLDQMLALVGFSDNIVTQISLADKHGNLGLSLTKIETYMLRMTKVRKKLMEVATYPIILLGFLILIMLGLKN	160
NTDB	id	395	FSA28	RS09400	WP	257638827.1	RQGLLNGHLHAEIMSSSLGFSDDVVTQALAEVHGNLTQKSLLKIESYLNLLILVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB	id	386	SMU	RS09030	WP	255262721.1	RQGLLNGHLHAEIMSSSLGFSDDVVTQALAEVHGNLTQKSLLKIESYLNLLILVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB	id	430	SGO	RS09415	WP	012130941.1	RQGLANQAQFSEIMASLGFSDAVVTQLSLAEVHGNLHSLALLKIEEYLDNLA VKKKLEI VATYPMMLLGLFLVIMIGLRN	143
NTDB	id	271	KZH43	RS09260	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLLIMLGLRN	137
NTDB	id	230	SPD	RS09890	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPLILLGFLLLIMLGLRN	137
NTDB	id	196	SPR	RS09425	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPLILLGFLLLIMLGLRN	137
NTDB	id	161	SP	RS10375	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPLILLGFLLLIMLGLRN	137
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	RTDLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPLILLGFLLSIMLGLRN	137
NTDB	id	501	SM1261	RS00950	WP	004238896.1	RAGLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPLILLGFLLLIMLGLRN	137
consensus							* * * * *	137

NTDB	id	587	KW2	RS10850	WP	042211510.1	YLLPQLKG...NMFATLLINHLPLVFFSVGALIVLLTSLSTIIIFKHI	SALTNFITFLVKVPLVSSFIRLYLTAYFSREWQ	216
NTDB	id	395463	GFB63	RS03405	WP	144239090.1	YLLPQLLEGDGKNNAVQLVQIFPQLFFVSLCGLLVLGLILYLWKVRQSALVFYRRMAKIPFIQTIVRLYTAYYAREWG	240	
NTDB	id	395	FSA28	RS09400	WP	257638827.1	YLLPQLRK...GNFATRLISNFPILFLLGCCFFILLVGIFTFFSRKISRHLHIGFCSHLPFGKYLLQLYLTAYYAREWG	218	
NTDB	id	386	SMU	RS09030	WP	255262721.1	YLLPQLRER...GNFATRLISNFPILFLLGCCFFILLVGIFTFFSRKISRHLHIGFCSHLPFAGKYLLQLYLTAYYAREWG	218	
NTDB	id	430	SGO	RS09415	WP	012130941.1	YLLPQLSS....QNFA TLIGHLPTIFLLTLVMLGLTGAIYLVFKGQRKIPVVSFLARLPFGSFVRIYLTAYYAREWG	219	
NTDB	id	271	KZH43	RS09260	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMVSFILARLPFIGIFVQTYLTAYYAREWG	213	
NTDB	id	230	SPD	RS09890	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMVSFILARLPFIGIFVQTYLTAYYAREWG	213	
NTDB	id	196	SPR	RS09425	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMVSFILARLPFIGIFVQTYLTAYYAREWG	213	
NTDB	id	161	SP	RS10375	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMVSFILARLPFIGIFVQTYLTAYYAREWG	213	
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSLTLLALTFYKRSSKMRVFSILARPFLGIFVQTYLTAYYAREWG	213	
NTDB	id	501	SM1261	RS00950	WP	004238896.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGFVSVGVALLATFYKRSSKMRVFSILARPFLGIFVQTYLTAYYAREWG	213	
consensus							** ! ! * ! ***** !! ! ***** **** ** ! ! ! ! ! ! ! !		

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consensus



☒ non conserved
☒ similar
☒ ≥ 50% conserved