

NTDB id 587 KW2 RS10850 WP 042211510.1	MQT	DILRLLRPKGKKLALIKQAKLIQLMGNLLNNGFNLGEVINFLALSKLVEKEFVFKM	59
NTDB id 193292 BEN15 RS02250 WP 142350125.1	MPEKISKTIIRPTGISSWKVWLNK	DVSLRGISKGKKLKIQQQVKVIQLFKQLLKAGFTLTETIIVAFLESHLLKETSLSLM	80
NTDB id 395 FSA28 RS09400 WP 257638827.1	MTFLQQ	DISLKEKHKQKKLKIKQKQKVIQLFNNLFTSGFNLTEIIDFLERSHLLAEIYTKKM	62
NTDB id 386 SMU RS09030 WP 255262721.1	MTFLQQ	DISLKEKHKQKKLKIKQKQKVIQLFNNLFTSGFNLTEIIDFLERSHLLAEIYTKKM	62
NTDB id 430 SGO RS09415 WP 012130941.1	MISFLQQ	DISILSKQKQKKLGTSKQKQVIELFNNLFSSGFHLAETVDFLGRSALLEKNYVQQM	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		*!*****!!*****!*****!*****!*****!*****!*****!*****!	

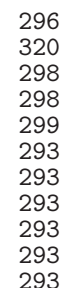
NTDB	id	587	KW2	RS10850	WP	042211510.1	HQGLSSGKSLSEILSLSFSKNVVTQLALVEVHGNI	LVGTMQLVELHLKKQLKVKKKLIEVATYPV	VLVFLIGIMWGLKN	139		
NTDB	id	193292	BEN15	RS02250	WP	142350125.1	KESLIRGDRLYQMLALVGFS	DNIVTQISLADKHGNL	LGSLTKIETYMLRMTKVRKKLMEVATYP	ILLGFLILIMLGLKN	160	
NTDB	id	395	FSA28	RS09400	WP	257638827.1	RQGLNLNGLHLAEIMSSLGFS	DDVVTQLALSEVHGNTQK	SLLKIESYLN	NNLILVKKKLVEVITYP	ILLIFLVVIMLGLKN	142
NTDB	id	386	SMU	RS09030	WP	255262721.1	RQGLNLNGLHLAEIMSSLGFS	DDVVTQLALSEVHGNTQK	SLLKIESYLN	NNLILVKKKLVEVITYP	ILLIFLVVIMLGLKN	142
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NTDB	id	271	KZH43	RS09260	WP	074196785.1	RVGLSQGKSFSEMMESLGC	SSAIVTQLSLAEVHGNI	LHLSLGKIEEYLDNLAKVKKKLIEVATYP	ILLGFLLLIMLGLRN	137	
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NTDB	id	196	SPR	RS09425	WP	074196785.1	RVGLSQGKSFSEMMESLGC	SSAIVTQLSLAEVHGNI	LHLSLGKIEEYLDNLAKVKKKLIEVATYP	ILLGFLLLIMLGLRN	137	
NTDB	id	161	SP	RS10375	WP	074196785.1	RVGLSQGKSFSEMMESLGC	SSAIVTQLSLAEVHGNI	LHLSLGKIEEYLDNLAKVKKKLIEVATYP	ILLGFLLLIMLGLRN	137	
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	RTDLSQGKSFSEMMESLGF	SSAIVTQLSLAEVHGNI	LHLSLGKIEEYLDNLAKVKKKLIEVATYP	ILLGFLLSIMLGLRN	137	
NTDB	id	501	SM12261	RS00950	WP	004238896.1	RAGLSQGKSFSEMMESLGF	SSAIVTQLSLAEVHGNI	LHLSLGKIEEYLDNLAKVKKKLIEVATYP	ILLGFLLLIMLGLRN	137	
consensus							* * ! * * ! * * * * * * * * * * ! * * * ! ! * * ! * * * ! ! ! * * * * * * ! * * * * * * * ! * * ! ! * ! * ! ! * * ! ! * ! * ! ! * ! * ! ! *					

NTDB id 587 KW2 RS10850 WP 042211510.1	YLLPQLDKG...N	FATLLINHLPLVFFSVG	ALIVLLTSLSIIIFKH	ISALTNTFTFLVKVPLVSS	FIRLYLTAYFSREW	216
NTDB id 193292 BEN15 RS02250 WP 142350125.1	YLLPQLLEGDGKN	NWAVQLVQIFPQLFFVS	LCGLLVGLLILYLWVKRQ	SALVFYRRMAKIPFIGQT	VRLYTTAYYAREWG	240
NTDB id 395 FSA28 RS09400 WP 257638827.1	YLLPQLEK....G	NFATRLISNFPILFLLGCCFFI	LLVGLVIFTFFSRKIS	SRLHLIGFCSHLPFVGK	YLQLYLTAYYAREWG	218
NTDB id 386 SMU RS09030 WP 255262721.1	YLLPQLER....G	NFATRLISNFPILFLLGCCFFI	LLVGLVIFTFFSRKIS	SRLHLIGFCSHLPFAGK	YLQLYLTAYYAREWG	218
NTDB id 430 SGO RS09415 WP 012130941.1	YLLPQLSS....G	NFATRLIGHLPTIFLLTLV	LMILGLTGAIYLVFKGQK	RIPVYSFLARLPFVGS	FVRIYLTAYYAREWG	219
NTDB id 271 KZH43 RS09260 WP 074196785.1	YLLPQLDS....S	NIATQIIGNLPQIFLGMVGLVSV	LALLALTFYKRS	SKMSVFSILARLPFIGIFVQ	TYLTAYYAREWG	213
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NTDB id 196 SPR RS09425 WP 074196785.1	YLLPQLDS....S	NIATQIIGNLPQIFLGMVGLVSV	LALLALTFYKRS	SKMSVFSILARLPFIGIFVQ	TYLTAYYAREWG	213
NTDB id 161 SP RS10375 WP 074196785.1	YLLPQLDS....S	NIATQIIGNLPQIFLGMVGLVSV	LALLALTFYKRS	SKMSVFSILARLPFIGIFVQ	TYLTAYYAREWG	213
NTDB id 529 SMSK321 RS09235 WP 080550783.1	YLLPQLDS....S	NIATQIIGNLPQIFLGMVGLV	LTLALLALTFYKRS	SKMRVFSILARIPFLGIFVQ	TYLTAYYAREWG	213
NTDB id 501 SM12261 RS00950 WP 004238896.1	YLLPQLDS....S	NIATQIIGNLPQIFLGMVGLV	SVSGVLLALLALTFYKRS	SKMRVFSILARIPFLGIFVQ	TYLTAYYAREWG	213
consensus	!!!!!!*G	*!?!*G*****G!?!*G*****G	*G*****G*G	*G*****G!?!*G*****G!?!*G*****G		

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NTDB id 501 SM12261 RS00950 WP 004238896.1
consensus

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