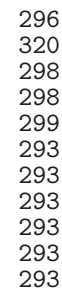


[illegible]

NTDB	id	587	KW2	RS10850	WP	042211510.1	HQGLSSGKSLSEILESLSF	KNVVTQALVEVHGNLVG	TMQLVELHLKKQLKVKKKL	IEVATYPVVLLVFLIG	IMWGLKN	139		
NTDB	id	351382	E3C75	RS01085	WP	133264040.1	KESLIRGDRLDQMLALV	GFSDNIVTQISLADKHGN	LLGSLTKIETYMLRMTKV	RKKLMEVATYPIILLG	FLLILIMLGLKN	160		
NTDB	id	395	FSA28	RS09400	WP	257638827.1	RQGLLNGLHLAEIMSS	SLGFSDDVVTQALSEV	HGNTQKSLLKIESYLN	NLILVKKKLVEVITYP	IILLIFLVVIMLGLKN	142		
NTDB	id	386	SMU	RS09030	WP	255262721.1	RQGLLNGLHLAEIMSS	SLGFSDDVVTQALSEV	HGNTQKSLLKIESYLN	NLILVKKKLVEVITYP	IILLIFLVVIMLGLKN	142		
NTDB	id	430	SGO	RS09415	WP	012130941.1	RQGLANQAQFSEIMAS	LGSDAVVTQLSLAEV	HGNLSLALLKIEEYLD	NLAKVKKKLEI	VATYPMMLLGLFLV	IMIGLRN	143	
NTDB	id	271	KZH43	RS09260	WP	074196785.1	RVGLSQGKSFSEMMES	LGCSAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	IMLGLRN	137	
NTDB	id	230	SPD	RS09890	WP	074196785.1	RVGLSQGKSFSEMMES	LGCSAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	IMLGLRN	137	
NTDB	id	196	SPR	RS09425	WP	074196785.1	RVGLSQGKSFSEMMES	LGCSAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	IMLGLRN	137	
NTDB	id	161	SP	RS10375	WP	074196785.1	RVGLSQGKSFSEMMES	LGCSAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	IMLGLRN	137	
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	RTDLSQGKSFSEMMES	LGFS	SAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	SIMLGLRN	137
NTDB	id	501	SM12261	RS00950	WP	004238896.1	RAGLSQGKSFSEMMES	LGFS	SAIVTQLSLAEV	HGNLHLSLGKIEEY	LDNLAKVKKKLEI	VATYPIILLGFLL	IMLGLRN	137
consensus							* * * * *						137	

NTDB	id	587	KW2	RS10850	WP	042211510.1	YLLPQLDKG...NMFATLLINHLPLVFFSVGALIVLLTSLSIIIFKHISALTNFITFLVKVPLVSSFIRLYLTAYFSREWQ	216
NTDB	id	351382	E3C75	RS01085	WP	133264040.1	YLLPQLLEGDGKNWAVQLVQIFPQLFFVSICGLLVLGLILYLWVKRQSALVFYRRMAKIPFIGQTIVRLYTAYYAREWG	240
NTDB	id	395	FSA28	RS09400	WP	257638827.1	YLLPQLBK...GNFATRLISNFPILFILGCCFFILLVGIFTFFSRKISRRLHIGFCSHLPFVGKYLLQLYLTAYYAREWG	218
NTDB	id	386	SMU	RS09030	WP	255262721.1	YLLPQLBR....GNFATRLISNFPILFILGCCFFILLVGIFTFFSRKISRRLHIGFCSHLPFAGKYLLQLYLTAYYAREWG	218
NTDB	id	430	SGO	RS09415	WP	012130941.1	YLLPQLSS....QNFA TLIGH LPTI FL LT VML GL LGTA I YLV FK GK QR IP VS F LAR LP VF G S FVR I LY TAY Y ARE WG	219
NTDB	id	271	KZH43	RS09260	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB	id	230	SPD	RS09890	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB	id	196	SPR	RS09425	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB	id	161	SP	RS10375	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSLTLTLLALTFYKRSSKM RVFSILARI PFL GIFV QTYLTAYYAREWG	213
NTDB	id	501	SM12261	RS00950	WP	004238896.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGFVSVGVLALLALTFYKRSSKM RVFSILARI PFL GIFV QTYLTAYYAREWG	213
consensus							** *!*!*****!!*!*****!!!!!!!!!!!!!!!*	

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 351382 E3C75 RS01085 WP 133264040.1
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



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NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 351382 E3C75 RS01085 WP 133264040.1
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

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