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NTDB id 600 KW2 RS01765 WP 011675413.1	EIYGPESSGKTTVALHAVA	AAVQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLIT	SGAVDLVV	156					
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 228 SPD RS09265 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 194 SPR RS08825 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 159 SP RS09750 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 408 SMU RS09530 WP 002262392.1	EIYGPESSGKTTVALHAVA	QAQKDG	GIAAFIDA	EAHALDPAYAAAALGVNIDELL	LSQPD	SGEQLIAGKLIDSGAVDLVV	155			
NTDB id 453 Spy49 1753c ACI62003.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDA	EAHALDPAYAAAALGVNIDELL	LAQPD	SGEQLIAGKLIDSGAVDLVV	155				
NTDB id 115 BSU 16940 NP 389576.2	EVYGP	ESSGKTTVALHAI	AEVQQGGQAA	AFIDA	EAHALDPVYAQKLGVNIEELL	LSQPD	TGEQALEIAEALV	RSGAVDIVV	140	
NTDB id 625 LCA RS02525 WP 011374196.1	EIYGPESSGKTTVALHAVA	AEVQKQGGTAA	YIDAENAMDPKY	ATALGVNIDDL	LSQPD	TGEQGLEIADALV	SSGAVDILV	142		
NTDB id 1334 RAOC RS04870 WP 004918236.1	EIYGPESSGKTTTL	HLHAI	AEAKVGGTAA	AFIDA	EAHAFDMHYAEKLG	INLEEL	IVSQPD	NGEQALEIADSL	IRSGGVDIVV	150
NTDB id 1313 DR RS12030 WP 010888966.1	EIYGPESSGKTTTL	ALAI	VAQAQKAGGTC	AFIDA	EAHALDPVYARALGVNTDELL	VSQPD	NGEQALEI	IMELL		

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NTDB id 600 KW2 RS01765 WP 011675413.1	I	D	S	V	A	A	L	V	P	K	A	E	I	D	G	S	S	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	A	G	H	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	S	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	V	235			
NTDB id 269 KZH43 RS08665 WP 001085462.1	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	V	234
NTDB id 228 SPD RS09265 WP 001085462.1	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	V	234
NTDB id 194 SPR RS08825 WP 001085462.1	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	V	234
NTDB id 159 SP RS09750 WP 001085462.1	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G																																																														

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NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRG	STKIEEGS	.GDNKTQ	IGKITK	IKVVKNKVAPPF	KVALVD	IMFG	GEGISST	GELIN	IAVEEG	ITKK	SGAWF	AYNDE	314			
NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFVE	IMYG	GEGISKT	GELLK	IASDL	DIKK	AGAW	SYKDE	313			
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKVAPPF	KEAFVE	ITTY	GEGISRT	GELVK	IASDL	GI	IK	AGAW	SYNGE	313		
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRG	TTQIKGTG	.DQKDSS	IGKETK	IKVVKNKVAPPF	KVAEVE	IMYG	GEGISRT	GELVK	IASDL	DI	IK	AGAW	FSYNGE	313		
NTDB id 115 BSU 16940 NP 389576.2	RLEVRRA	AEQLKQGN		DVMGNK	TKIKVVKNKVAPPF	R	TAEVD	IMYG	GEGISKE	GE	IT	DL	GTELD	IVQK	SGSW	SYEEEE	294
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRA																

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consensus

 non conserved
 similar
 ≥ 50% conserved