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NTDB id 1313 DR RS12030 WP 010888966.1	IYGPESGGKTTLALAIIVAAQAQKAGGTC	AFIDAEHALDPVYARALGVNTDELLVSQPDN	GEQALEIMELLVRS	GAVD	IVVV	155			
NTDB id 186854 CDIF630erm RS07630 WP 003428218.1	VYGPESGGKTTVALSCV	ASAKQKGGIAAFIDAEHALDPVYAKALGV	DVNDLTIISQPD	TGEQALEIAEAL	IRSGA	IDITVT	144		
NTDB id 600 KW2 RS01765 WP 011675413.1	IYGPESGGKTTVALHAVA	AAVQKEGGIAAFIDAEHALDPEYAKALGV	NIDELLLSQPDYGEQ	GLQIAEKL	ITSGAVD	LVI	157		
NTDB id 269 KZH43 RS08665 WP 001085462.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 228 SPD RS09265 WP 001085462.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 194 SPR RS08825 WP 001085462.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 159 SP RS09750 WP 001085462.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 499 SM12261 RS08315 WP 078228268.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 408 SMU RS09530 WP 002262392.1	IYGPESGGKTTVALHAVA	AAQAQKGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 453 Spy49 1753c ACI62003.1	IYGPESGGKTTVALHAVA	AAQAQKEGGIAAFIDAEHALDPAYAAALGV	NIDELLLSQPDSGEQ	GLEIAGKL	IDSGAVD	LVVV	156		
NTDB id 115 BSU 16940 NP 389576.2	VYGPESGGKTTVALHAI	AEVQQQGGQAAAFIDAEHALDPVYAKLGV	NIDELLLSQPD	TGEQALEIAEAL	VRS	GAVDIVVV	141		
NTDB id 625 LCA RS02525 WP 011374196.1	IYGPESGGKTTVALHAVA	AEVQKQGGTAA	YIDAENAMD	PKYAT	ALGVN	IDLLLSQPD	TGEQGLEIADALVSSGAVD	ILVV	143
NTDB id 1245 Cj1673c YP 002345041.1	IYGPESGGKTTLTLHI	IAECCQKAGGVCAFIDAEHALDVKYAKNLGV	NIDDLIYV	SQPDFGEQALEIVET	IAR	SGAVDLIVV	142		
NTDB id 1211 C694 RS00795 WP 000963128.1	IYGPESGGKTTLSLHI	IAECCQKNGGVC	AFIDAEHALDVHYAKRLGV	D	TENLLVSQPD	TGEQALEILETITRSGG	IDLIVV	144	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IYGPESGGKTTLSLHI	IAECCQKNGGVC	AFIDAEHALDVHYAKRLGV	D	TENLLVSQPD	TGEQALEILETITRSGG	IDLIVV	144	
NTDB id 1334 RAOC RS04870 WP 004918236.1	IYGPESGGKTTLTLHAI	IAEAQKVGGTAAAFIDAEHAFDMHYAEKLG	INLEEL	IVSQPDN	GEQALEIADSL	IRSGGVD	IVVV	151	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	IYGPESGGKTTLTLSLI	AQAQKGNKTC	AFIDAEHALDPVYARNLGV	NIDELLISQPDN	GEQALEICDAL	VRS	GAVDVITV	159	
NTDB id 1130 NGFG RS03960 WP 003688695.1	IFGPESGGKTTLCLEAVA	QCCQKNGGVC	AFVDAEHAFDPVYARKLGV	KVEELYLSQPD	TGEQALEICDTL	VRS	GGIDM	VVV	143
NTDB id 1124 NGFG RS03960 WP 003688695.1	IFGPESGGKTTLCLEAVA	QCCQKNGGVC	AFVDAEHAFDPVYARKLGV	KVEELYLSQPD	TGEQALEICDTL	VRS	GGIDM	VVV	143
NTDB id 1123 OK783 RS03845 WP 003688695.1	IFGPESGGKTTLCLEAVA	QCCQKNGGVC	AFVDAEHAFDPVYARKLGV	KVEELYLSQPD	TGEQALEICDTL	VRS	GGIDM	VVV	143
NTDB id 1427 RS RS02760 WP 011000510.1	IYGPESGGKTTLTLQV	VAEMQKLGCT	CAFIDAEHALDVTYADKLG	VKVPDLLISQPD	TGEQALEIADAL	VRS	GSVDLIV	I	151
NTDB id 1165 A1552VC RS01565 WP 000344154.1	IFGPESGGKTTLLELI	IAAAQREGKTC	AFIDAEHALDPVYAKKLG	VNIDELLVSQPD	TGEQALEICDAL	AR	SGAVDVIVV	142	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IFGPESGGKTTLLELI	IAAAQREGKTC	AFIDAEHALDPVYAKKLG	VNIDELLVSQPD	TGEQALEICDAL	AR	SGAVDVIVV	142	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	IYGPESGGKTTMTLQAI	AQCCQKAGGTC	AFIDAEHALDPQYARKLGV	DIDNLLVSQPD	HGEQALEIADML	VRS	GATDLIVV	142	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IYGPESGGKTTMTLQAI	AQCCQKSGGTC	AFIDAEHALDPQYARKLGV	DIDNLLVSQPD	NGEQALEIADML	VRS	GATDLIVV	142	
NTDB id 1205 PSJM300 05545 AFN77183.1	IYGPESGGKTTLTLSVI	IAAAQRMGSTC	AFVDAEHALDPDYAGKLG	VNVDLLVSQPD	TGEQALEITDML	VRS	NAV	VDIIV	142
consensus	**!!!!*!!!!* ! **!	!* **	!*****!***!!	!!	!!*****!***!!!*!!	*	***!***!***		

