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NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIFDEID	KQVRSKFC	LIDGEEVSEQDTENKKDEPKKE	AV	NEEVPLDLGDELEIEI	386							
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIFDEID	KQVRSKFC	LIDGEEVSEQDTENKKDEPKKE	AV	.....	NEEVPLDLGDELEIEI	386						
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIFDEID	KQVRSKFC	LIDGEEVSEQDTENKKDEPKKE	AV	.....	NEEVPLDLGDELEIEI	386						
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIFDEID	KQVRSKFC	LIDGEEVSEQDTENKKDEPKKE	AV	.....	NEEVPLDLGDELEIEI	386						
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLAD	NPEIFDEID	HQVRVQFC	LIDGEEIAES	...KKDEAAQV	SV	NEEVTLDLGDLEIEI	382						
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLAD	NPEVFAEID	HQVRVQFC	LIDGEEAAES	...KKDEVAQV	SV	NEEVTLDLGDLEIEI	382						
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLAD	NPEIFDDI	DHKVRVQY	IEEDNTEEKQSSKEK	...ETDEKA	.....	DKNLVLELDDTIELED	383						
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLAD	HPQLFDEID	RKVRVKFC	LEESEEEESAMAVASE	...E	.....	TDDLALDLNGIEIED	378						
NTDB id 100251 AACH63 RS01290 WP 019291389.1	EKIGQGA	EAKAFLK	DNPEIFNEID	RKVRQNH	CLIESDEENEKEDAKPA	...KAD	KVKVEAAGVEEIELE	.....	383						
NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EAKKNYLK	EHQDVFDEID	HKVRAAH	CLDDSEVAETEEETT	ASKTKAKAKKEEKAVETEEIELE	.....	387							
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQG	RENAKNYLAD	HEDVEDEV	RLKVRAYG	ISDVPEEDLP	TTTEDE.Q	.....	INILPDDSTEE..	355						
NTDB id 115 BSU 16940 NP 389576.2	ERIGQG	RENAKQFLK	ENKDI	MLM	IQEQ	REHY	CL	DNNGVVQQQAEETQEE	LEFE.E	348					
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQK	EKTIA	YIAER	PEMEQE	IRDRV	MAATRAGNAGEAPALAPAPAAP	..EAA	EA	363						
NTDB id 1245 Cj1673c YP 002345041.1	KKIGQG	RENSKAE	LKENPEI	ADEIT	KATQNSM	CI	EGMI	SGSEDD	...EGEE	343					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKIGQG	RENAL	LKEDKAL	ADEIT	LKIKESI	CSNEEI	MPLPDE	...PL	EEME	347					
NTDB id 1211 C694 RS00795 WP 000963128.1	KKIGQG	RENAL	LKEDKAL	ADEIT	LKIKESI	CSNEEI	MPLPDE	...PL	EEME	347					
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKIGQG	RD	TVKEL	TKDNPEI	AEL	EAKI	REKLQAK	.....	343						
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	K	NNAVKV	LKENPEI	ADKLE	QEI	RNTL	ASNPNS	VLKATAS	..DSN	ESDVVEEFSEEL	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNV	RVVWLKENPEI	SDEID	AKI	RALN	CVEMHI	TEGTQDE	..TDGER	PEE	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNV	RVVWLKENPEI	SDEID	AKI	RALN	CVEMHI	TEGTQDE	..TDGER	PEE	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNV	RVVWLKENPEI	SDEID	AKI	RALN	CVEMHI	TEGTQDE	..TDGER	PEE	348		
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RD	NCREFL	REN	AEL	AREI	ENKVR	EHL	CV	TPMG	AVTLA.E	..EVE	ED	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKY	LKENPEI	AKTLD	KKL	REMLLN	PNENM	QLIAETS	..SAAD	DVEFGAVPEEF	354			
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKY	LKENPEI	AKTLD	KKL	REMLLN	PNENM	QLIAETS	..SAAD	DVEFGAVPEEF	354			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRY	LEENP	CI	STEI	EAVI	REQLLTKASD	QTAA.HD	..ETE	EPDLL	..ES	349		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRY	FEENP	CI	A	EI	ERNI	REQLLTTGTN	GAVQ.I	..EDE	EPDLL	..LES	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANA	AKY	LEENPEI	GQE	IQ	IRAKLL	VT	SAN	TKATPVA	..EDLADADI	347		
consensus	***!!!	*****	* *	*****	*****	* *	* *	* *	*							

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NTDB id 269 KZH43 RS08665 WP 001085462.1	EE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE	388
NTDB id 159 SP RS09750 WP 001085462.1	EE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
NTDB id 408 SMU RS09530 WP 002262392.1	..	383
NTDB id 453 Spy49 1753c ACI62003.1	..	378
NTDB id 100251 AACH63 RS01290 WP 019291389.1	..	383
NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
NTDB id 625 LCA RS02525 WP 011374196.1	..	355
NTDB id 115 BSU 16940 NP 389576.2	..	348
NTDB id 1313 DR RS12030 WP 010888966.1	..	363
NTDB id 1245 Cj1673c YP 002345041.1	..	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	..	347
NTDB id 1211 C694 RS00795 WP 000963128.1	..	347
NTDB id 1334 RA0C RS04870 WP 004918236.1	..	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	..	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	..	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	..	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	..	348
NTDB id 1427 RS RS02760 WP 011000510.1	..	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	..	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	..	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	..	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	..	349
NTDB id 1205 PSJM300 05545 AFN77183.1	..	347

consensus

 non conserved
 similar
 ≥ 50% conserved