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NTDB id 600 KW2 RS01765 WP 011675413.1	NDEKIGQGA	EKAKNYLKEHQDVF	DEIDHKVRAAHGI	LDDSEVAETEEETT	ASKTKAKAKKEEKAVETEEIELELED...	387		
NTDB id 269 KZH43 RS08665 WP 001085462.1	KDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQDTENKKDE...	PKKEEA..VNEEVPLDLGDELEI	384		
NTDB id 228 SPD RS09265 WP 001085462.1	KDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQDTENKKDE...	PKKEEA..VNEEVPLDLGDELEI	384		
NTDB id 194 SPR RS08825 WP 001085462.1	KDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQDTENKKDE...	PKKEEA..VNEEVPLDLGDELEI	384		
NTDB id 159 SP RS09750 WP 001085462.1	KDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQDTENKKDE...	PKKEEA..VNEEVPLDLGDELEI	384		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KDEKIGQGS	ENAKKYLADNPEVFAE	IDHQVVRVQFGL	LIDGEEAAE...	SKKDE...VAQVDS..VNEEVTLDLGDELEI	380		
NTDB id 499 SM12261 RS08315 WP 078228268.1	KDEKIGQGS	ENAKKYLADNPEIF	DEIDHQVVRVQFGL	LIDGEEIAE...	SKKDE...AAQVDS..VNEEVTLDLGDELEI	380		
NTDB id 408 SMU RS09530 WP 002262392.1	NGEKIGQGS	ENAKKFLADNPEIF	DDIDHKVVRVQYGL	IEEDNTEEKQSSKEK...	ETDEK..ADKNLVLELDDTIEL	381		
NTDB id 453 Spy49 1753c ACI62003.1	NGEKIGQGS	ENAKRYLADHPQLF	DEIDRKVVRVQFGL	LEESEESAMAVASE...	E.....TDDLALDLDNNGIEI	376		
NTDB id 115 BSU 16940 NP 389576.2	EEERLGGG	RENAKQFLKENKDI	MLMIQEQIREHYGL	DNNGVVQQAEETQEEL	EFE.E.....	348		
NTDB id 625 LCA RS02525 WP 011374196.1	GSERIGGG	RENAKNYLADHEDVE	DEVRLKVRVRAAYGI	SDVPEEDLPTTEDE	QI.NILPDDST.....EE.....	355		
NTDB id 1313 DR RS12030 WP 010888966.1	GDERIGGG	KEKTIAYTAERP	PEMEQEIRDRVMAA	IRAGNAGEAPALAPAPA	AAPEAAEA.....	363		
NTDB id 1245 Cj1673c YP 002345041.1	KDKKLG	GGRENSKAF	FLKENPEIADEITKA	IQNSMGT	EGMI.....SGSEDDEGEE.....	343		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	QDKKLG	GGRENAKALLKED	KALADEITLKI	KESIGSNEEI	.....MPLPDEPLEEME.....	347		
NTDB id 1211 C694 RS00795 WP 000963128.1	QDKKLG	GGRENAKALLKED	KALADEITLKI	KESIGSNEEI	.....MPLPDEPLEEME.....	347		
NTDB id 1334 RAOC RS04870 WP 004918236.1	QDTKLG	GGRD	TVKELIKDNPELA	ELEAKIREKLQAK	.....	343		
NTDB id 1130 NGFG RS03960 WP 003688695.1	NGAKIGGG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHI	.....TEGTQDET	DGERP.....EE.....	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	NGAKIGGG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHI	.....TEGTQDET	DGERP.....EE.....	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	NGAKIGGG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHI	.....TEGTQDET	DGERP.....EE.....	348		
NTDB id 149686 ACU12 RS08665 WP 014503651.1	GDERIGGG	KDNARTYL	RNPQVAVRLEAEL	REKFQPAEAP	.....REAGDDEEKE.....	344		
NTDB id 1427 RS RS02760 WP 011000510.1	NGERIGGG	RDNCREFLRENAEL	AREIENKVRHLGV	TPMG.....AVTLAAEVEED	.....	352		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	DGTKIGGG	KNNAVKWLKENPEIA	DKLEQEI	RNTLASNPNS	.....VLKATASDSNDES	DVE..EFSEEEL.....	372	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	NGDKIGGG	KANACKY	LKENPEIAKTL	DKKLR	REMLLN	PENM.....QLIAETSSAADD	VEFG..AVPEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	NGDKIGGG	KANACKY	LKENPEIAKTL	DKKLR	REMLLN	PENM.....QLIAETSSAADD	VEFG..AVPEEF.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	QGNKIGGG	KNNVIRY	LEENPQISTEIEAV	IREQLLTKASD	.....QTAA.HDETEEEP	DLL...ES.....	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	QGNKIGGG	KNNVIRY	FEENNQIAEIEIERN	IREQLLTTGTN	.....GAVQ.I.EDEE	EPDLL...LES.....	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	KGSKIGGG	KANA	AKYLEENPEIGQ	EIEQQIRAKLLV	TSAN.....TKATPVAED	LADADI.....	347	
consensus	**!!!	*****	**	*****	*****	**	**	

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NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	EIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	ED..	383
NTDB id 453 Spy49 1753c ACI62003.1	ED..	378
NTDB id 115 BSU 16940 NP 389576.2	....	348
NTDB id 625 LCA RS02525 WP 011374196.1	....	355
NTDB id 1313 DR RS12030 WP 010888966.1	....	363
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NTDB id 1211 C694 RS00795 WP 000963128.1	....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	....	343
NTDB id 1130 NGFG RS03960 WP 003688695.1	....	348
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NTDB id 1205 PSJM300 05545 AFN77183.1	....	347

consensus

 non conserved  
 similar  
 ≥ 50% conserved