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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 229794 CBL15 RS07735 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEEE	TTASKTK	..AKAKKEEKAVETEEIELELED	..	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA	..VNEEVPLDLGDEL	382	
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA	..VNEEVPLDLGDEL	382	
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA	..VNEEVPLDLGDEL	382	
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA	..VNEEVPLDLGDEL	382	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLAADNPEV	FAEIDHQVRVQFGL	LIDGEEAAE	SKKDE	VAQVDS	..VNEEVTLDLGDEL	378	
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLAADNPEIF	DEIDHQVRVQFGL	LIDGEEIAE	SKKDE	AAQVDS	..VNEEVTLDLGDEL	378	
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAV	ASE	E	TDDLALDLNGI	374	
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSS	KEK	ETDEK	..ADKNLVLELDDTI	379	
NTDB id 115 BSU 16940 NP 389576.2	EERLGQGR	ENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQAAEE	TQEEL	E..FE	E.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGR	ENAKNYLADHEDVE	DEVRLKVRVQYGL	ISDVPEEDLP	TTE	DE	..QI..N..ILPDDST	EE	355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQGK	EKTIAIYIAERPEME	QEIRDRVMAAIRAGN	AGEAPALAPAPAA	PEAAEA	.....	.....	363	
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGGR	ENSKAFLKENPEIA	DEITKAIQNSMG	TEGMISGS	..EDDEGE	..E	.....	343	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGGR	ENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPL	..PDEPLE	..EME	.....	347	
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGGR	ENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPL	..PDEPLE	..EME	.....	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGGR	DTVTKELIKDNPEL	AEELEAKIREKLQAK	.....	.....	.....	.....	343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGG	KNNAVKWLKENPEIA	DKLEQEIRNTL	ASNPNSVLK	..ATASDSND	E	SDVVEEFSE	EEL	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	GERPE	E	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	GERPE	E	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	GERPE	E	348	
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENAEL	AREIENKVRHL	GVTPMGAV	..TLAEEVEED	.....	.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGG	KANACKYLKENPEIA	AKTLDKKLREMLLN	PENMQLI	..AETSSAAD	D	VEFGAVPE	EF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGG	KANACKYLKENPEIA	AKTLDKKLREMLLN	PENMQLI	..AETSSAAD	D	VEFGAVPE	EF	354
NTDB id 229794 CBL15 RS07735 WP 000344169.1	GNKIGQGG	KNNVIRYFEENTQ	IAEEIERN	IREQLLTGTNGAV	..Q..I	EDDEE	PD..LLE	S	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGG	KNNVIRYFEENNQ	IAEEIERN	IREQLLTGTNGAV	..Q..I	EDDEE	PD..LLE	S	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGG	KNNVIRYLEENPQ	ISTEIEAV	IREQLLTGASDQTA	..A	HDETEE	EPD..LLE	S	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGG	KANAAYLLEENPEI	IGQIEEQ	IRAKLLVTSANTKA	..TPVAEDLAD	AD	..I		347
consensus	***!!!	*****	**	*****	*****	**	**	*	

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	E	I	E	I	E	E	
NTDB id 600 KW2 RS01765 WP 011675413.1							387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEIEE						388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEIEE						388
NTDB id 194 SPR RS08825 WP 001085462.1	EIEIEE						388
NTDB id 159 SP RS09750 WP 001085462.1	EIEIEE						388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEIEE						384
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NTDB id 1205 PSJM300 05545 AFN77183.1							347
consensus							

-  non conserved
-  similar
-  ≥ 50% conserved