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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
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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	LDDSEVAETEEE	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	ENAKKYLADNPEVFAE	IDHQVRVQFGL	LIDGEEAAE	SKKDE	VAQVDS..VNEEVTLDLGDEL	378
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	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	EERLGGG	RENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQAAEE	TQEEL	E..FE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHED	VEDEVRLKVR	AAYGISD	VPEEDLP	TTE.DE.QI.N..ILPDDST.....EE	355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIA	YIAERP	MEQEIR	DRVMAAIR	AGNAGEAPALAPAPAAPEAAEA	363
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGG	RENSKAF	LKENPEIA	DEITKAI	QNSMCI	EGMISGS..EDDEGE..E	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKED	KALADEITL	KIKESIGS	NEEIMPL	..PDEPLE..EME	347
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKED	KALADEITL	KIKESIGS	NEEIMPL	..PDEPLE..EME	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGQ	RD	TVKELIKD	NPELA	AELEAKI	REKLQAK	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNN	AVKWLKEN	PEIADKLE	QEIRNTL	ASNPNSVLK..ATASDSND	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWL	KENPEIS	DEIDAKI	RALNGVEM	HIT	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWL	KENPEIS	DEIDAKI	RALNGVEM	HIT	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWL	KENPEIS	DEIDAKI	RALNGVEM	HIT	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNC	REFLRENA	EELAREI	ENKVR	REHLGVTPMGAV...TLAEEVEED	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLKEN	PEIAKTLDK	KLREMLLN	PENMQLI	..AETSSAAD	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLKEN	PEIAKTLDK	KLREMLLN	PENMQLI	..AETSSAAD	354
NTDB id 172206 AYR67 RS07770 WP 000344169.1	GNKIGQG	KNNVIRYFE	ENTQIA	EEIERN	IREQLLT	TGTNGAV..Q.I.EDEE	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFE	ENNQIA	EEIERN	IREQLLT	TGTNGAV..Q.I.EDEE	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYLE	ENPQISTE	IEAV	IREQLLT	TKASDQTA..A.HDETEE	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANA	AKYLEEN	PEIGQIE	EQ	IRAKLLVTSANTKA..TPVAEDLAD	347
consensus	**!!!***** ** ***** ***** ** *						*

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	E	I	E	L	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
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consensus

 non conserved
 similar
 ≥ 50% conserved