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NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYL	KEHQDV	FDEID	HKVRAAH	CLDD	SEVAETEEETT	ASKTKAKAK	KKEEKAV	ETEEIELE	ED	387		
NTDB id 1152614 NBW44 RS06915 WP 250307736.1	EKIGQGS	ENAKKYL	LAHPEIF	FDEID	HQVRVHF	CIIEEE	EAGSK	KA	S	TEKEAAN	QEVTL	DLGDDL	GIEI	381
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYL	LAHPEIF	FDEID	KQVRSKF	CLIDG	EEVSEQD	TENKKDE	P	KKEEAV	NEEVPL	DLGDELEIEI	386
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYL	LAHPEIF	FDEID	KQVRSKF	CLIDG	EEVSEQD	TENKKDE	P	KKEEAV	NEEVPL	DLGDELEIEI	386
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYL	LAHPEIF	FDEID	KQVRSKF	CLIDG	EEVSEQD	TENKKDE	P	KKEEAV	NEEVPL	DLGDELEIEI	386
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYL	LAHPEIF	FDEID	KQVRSKF	CLIDG	EEVSEQD	TENKKDE	P	KKEEAV	NEEVPL	DLGDELEIEI	386
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYL	LADNPEIF	FDEID	HQVRVQF	CLIDG	EEIAES	KKDE	A	AQVDSV	NEEVTL	DLGDELEIEI	382	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYL	LADNPEIF	FDEID	HQVRVQF	CLIDG	EEAAS	KKDE	V	AQVDSV	NEEVTL	DLGDELEIEI	382	
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKYL	LADNPEIF	FDEID	HQVRVQF	CLIEE	DNTEEKQSSKEK	ETDEKAD	KNLVLE	LDDTIE	LED	383
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYL	LADHPQL	FDEID	DRKVRVKF	CLLEE	SEESAMAVASE	. . . . .	E	TDDLAL	DLDN	GIEIED	378
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQGR	ENAKNYL	LADHEDV	EDVRL	KVRAAYG	CTSDV	PEEDLP	TTTEDE	. QIN . ILP	DDSTEE	. . . . .	. . . . .	355
NTDB id 115 BSU 16940 NP 389576.2	ERIGQGR	ENAKQFL	KENKDI	MLMI	IQEQI	REHYC	LDNNGV	VVQQAEET	QEELE	. FE . E . . . . .	. . . . .	. . . . .	348
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQGK	EKTAYIA	ERP	MEQEIR	DRVMAA	TRAGN	AGEAPAL	PAPAPAA	PEAAEA	. . . . .	. . . . .	. . . . .	363
NTDB id 1245 Cj1673c YP 002345041.1	KKIGQGR	ENSKAFL	KENPEI	ADEIT	KATQNSM	TEGMI	. . . . .	SGSEDDE	. GEE . . . . .	. . . . .	. . . . .	. . . . .	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKIGQGR	ENAKALL	KEDKAL	ADEIT	LKIKESI	CSNEEI	. . . . .	MPLPDEP	. LEEM . E . . . . .	. . . . .	. . . . .	. . . . .	347
NTDB id 1211 C694 RS00795 WP 000963128.1	KKIGQGR	ENAKALL	KEDKAL	ADEIT	LKIKESI	CSNEEI	. . . . .	MPLPDEP	. LEEM . E . . . . .	. . . . .	. . . . .	. . . . .	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKIGQGR	DTVKEL	TKDNPEI	ADEI	AKTREK	LQAK . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQGK	NNAVVKL	KENPEI	ADKLE	QETRN	TLASNP	NS	VLKATAS	DSNDES	DVEEF	SEEL . . . . .	. . . . .	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQGD	NVRVWL	KENPEI	SDEID	AKTRALN	CVEMHI	. . . . .	TEGTQDET	. . . . .	GERPEE	. . . . .	. . . . .	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQGD	NVRVWL	KENPEI	SDEID	AKTRALN	CVEMHI	. . . . .	TEGTQDET	. . . . .	GERPEE	. . . . .	. . . . .	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQGD	NVRVWL	KENPEI	SDEID	AKTRALN	CVEMHI	. . . . .	TEGTQDET	. . . . .	GERPEE	. . . . .	. . . . .	348
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQGR	DNCREFL	REN	AELAREI	ENKVR	REHL	CVTPMG	AV . TL	AEEVEED	. . . . .	. . . . .	. . . . .	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQGK	ANACKYL	KENPEI	AKTLD	KKLREML	LNPNM	QLIAET	SSAADDV	EFGAV	PEEF . . . . .	. . . . .	. . . . .	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQGK	ANACKYL	KENPEI	AKTLD	KKLREML	LNPNM	QLIAET	SSAADDV	EFGAV	PEEF . . . . .	. . . . .	. . . . .	354
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQCK	NNVIRY	FEEN	QIAEIEI	RNR	REQLL	TGTN	GAVQ . I . E	DEE	D	LLLES . . . . .	. . . . .	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQCK	NNVIRY	LEEN	PGISTE	IAVIRE	QLLTK	ASD	QTAA . H	DETEE	E	LLLES . . . . .	. . . . .	349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQGK	ANAAYL	LEENPEI	GQIEI	QQLRAK	LLVTSAN	TKATP	VAEDL	ADA	D	I	347	
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NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
NTDB id 1152614 NBW44 RS06915 WP 250307736.1	EE	383
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 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 1074 ABD1 RS10195 WP 000344167.1	..	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	..	349
NTDB id 1205 PSJM300 05545 AFN77183.1	..	347

consensus

 non conserved
 similar
 ≥ 50% conserved