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NTDB id 601 KW2 RS02615 WP 021036805.1	M.CQNCNINEAT.....I	13
NTDB id 30608 SPCG RS03970 WP 000882517.1	M.CQNCKINDST.....I	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	M.CQNCKINDST.....I	13
NTDB id 245 SPD RS03860 WP 000882517.1	M.CQNCKINDST.....I	13
NTDB id 243 SPR RS03635 WP 000882517.1	M.CQNCKINDST.....I	13
NTDB id 241 SP RS04015 WP 000882523.1	M.CQNCKINDST.....I	13
NTDB id 378 SMU RS02690 WP 002263569.1	M.CQNCKINEAT.....I	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTEAQQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTTLDRILEKAEYYAHQYQYGTIESAHLLEAMATTSGSLAYSLLAGMNVDSDDLIDL.....EDLSSHVKVKR	77
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYSLKMQEVRFLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRVFEDYQAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
consensus	**.....*	*

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NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNCQKQIDLCQNCYQI...MKSQGEALFGAGNASNGNSDE.....PFNP.FNDIFSALQG.QDFNGAASN.	80
NTDB id 30608 SPCG RS03970 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...KTDPNNSLFKGMTDLNNRD.....FDP.FGDFFNDLNNFRPSSN..TP.	76
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...KTDPNNSLFKGMTDLNNRD.....FDP.FGDFFNDLNNFRPSSN..TP.	76
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...KTDPNNSLFKGMTDLNNRD.....FDP.FGDFFNDLNNFRPSSN..TP.	76
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...KTDPNNSLFKGMTDLNNRD.....FDP.FGDFFNDLNNFRPSSN..TP.	76
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNGKQKQIDLCQNCYKI...KTDPNNSLFKGMTDLNNRD.....FDP.FGDFFNDLNNFRPSSN..TP.	76
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNCQKQIDLCQNCYQI...MKTDPENGPLNHLSQQNSSS.....INPFDDFFFGDLNNFRAFNNQDLP.	79
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVCTEHLILGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....LCSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAFEVMTAASFLLAIHNNSEAVCTEHLIYALIQVEDGFGLQLLKL.....QKINIVSLRKELEKRTGLKVPESKK	153
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDFAEYVASVVAHVLCGTEHVLYAILHDSNALATRILRERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 290 KZH43 RS10025 WP 001109677.1	TELPFSRRLQILFDFAEYVASVVAHVLCGTEHVLYAILHDSNALATRILRERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDFAEYVASVVAHVLCGTEHVLYAILHDSNALATRILRERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLEQSHALKTLAEAAAISQVTHAKEVCTEHLVFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVTERYACFSKEDIKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DLRACSPALEAMQEAGQIASVTGAVEVGEHVLMFLLHKDLMVCRLLLEVAGFYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DLRACSPALEAMQEAGQIASVTGAVEVGEHVLMFLLHKDLMVCRLLLEVAGFYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
consensus	* * * * * * * * * * * * * * * *	

NTDB id	601 KW2 RS02615 WP 021036805.1	EVTDEDMPVITEKDTIEQIVEEQTQIPVGDLKEKEEQTQLINLADDLKAHVIGQDEAVDKISKAIRRSRVGLGKNRPIGSFLFVGP	482
NTDB id	30608 SPCG RS03970 WP 000882517.1	KITDQDTPIISEKTIEHIIIEQKTNIPVGDLKEKEEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	488
NTDB id	281 KZH43 RS03550 WP 000882517.1	KITDQDTPIISEKTIEHIIIEQKTNIPVGDLKEKEEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	488
NTDB id	245 SPD RS03860 WP 000882517.1	KITDQDTPIISEKTIIEHIIIEQKTNIPVGDLKEKEEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	488
NTDB id	243 SPR RS03635 WP 000882517.1	KITDQDTPIISEKTIEHIIIEQKTNIPVGDLKEKEEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	488
NTDB id	241 SP RS04015 WP 000882523.1	KITDQDTPSISEKTIEHIIIEQKTNIPVGDLKEKEEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	488
NTDB id	378 SMU RS02690 WP 002263569.1	KLDKENTPVITEKNEIVIVEEQTNPVPVGELEKEEQSQLIHLADDLKTRVIGQDAVAVDKIAKAIRNRNVCLGTPNRPIGSFLFVGP	489
NTDB id	85 BSU 00860 NP 387967.1	EKGQGENSEVTVDIAMVVSSWTGVPPVSKLAQTEIDKLNMENILHSRVIGQDEAVVAVAKAVRRARACLKDPKRPIGSFIPLGP	546
NTDB id	610 V4T04 RS10165 WP 012897346.1	.VKEDKRQEVTDAQVVAFASTLTGVPITQMTKSESDDLINLEKELHKRVIGQEEATSAVSRAIRRNQSCVADSRRPMSFSMFLGP	555
NTDB id	287 SP RS11210 WP 001109712.1	.VPV.YKDLVATESDILTTL SRLSGIPVQKLTQTDACKYLNLEAEHLKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP	550
NTDB id	290 KZH43 RS10025 WP 001109677.1	.VPV.YKDLVATESDILTTL SRLSGIPVQKLTQTDACKYLNLEAEHLKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP	550
NTDB id	289 SPD RS10700 WP 001109677.1	.VPV.YKDLVATESDILTTL SRLSGIPVQKLTQTDACKYLNLEAEHLKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP	550
NTDB id	377 SMU RS09275 WP 002262344.1	.PLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKYYNLERELHKRVIGQDQAVSSISRAIRRNQSGIRVGGKRPIGSFMFLGP	553
NTDB id	297 STER RS00545 WP 011680614.1	.AKFPKPALVLDADQIMQTL SRLSGIPVEKMVTQTSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGP	556
NTDB id	329 STU RS10020 WP 011225298.1	.AKFPKPALVLDADQIMQTL SRLSGIPVEKMVTQTSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGP	556
consensus		* **** * ** * ! * ! * * * * * ! * ! * ! * ! * * * ! * ! * ! * ! * ! *	

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NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVP	748
NTDB id 30608 SPCG RS03970 WP 000882517.1	QIKSAKKA.EVKSSEKEK.	752
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKKA.EVKSSEKEK.	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKKA.EVKSSEKEK.	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKKA.EVKSSEKEK.	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKKA.EVKSSEKEK.	752
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNKV.ETVTKATSD.	753
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA.....	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV.....	816
consensus		



-  non conserved
-  similar
-  ≥ 50% conserved