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NTDB id 601 KW2 RS02615 WP 021036805.1	MTCQNCMINEAT.....	12
NTDB id 281 KZH43 RS03550 WP 000882517.1	MTCQNCKINDST.....	12
NTDB id 245 SPD RS03860 WP 000882517.1	MTCQNCKINDST.....	12
NTDB id 243 SPR RS03635 WP 000882517.1	MTCQNCKINDST.....	12
NTDB id 241 SP RS04015 WP 000882523.1	MTCQNCKINDST.....	12
NTDB id 1139237 DQM97 RS08135 WP 028798570.1	MTCQNCKINDAS.....	12
NTDB id 378 SMU RS02690 WP 002263569.1	MTCQNCKINEAT.....	12
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGGTAAKALQALGLGSEKIQKEVESLIG.....R	70
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEYYAHQYQYGTIESAHLLAAMATTSGSLAYSLLAGMNVDSDDLIDL.....EDLSSH	72
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 377 SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS	76
NTDB id 297 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFDTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFDTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
consensus	**.....*	

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NTDB id 601 KW2 RS02615 WP 021036805.1	IHL YTSVNCQKQIDLCQNCYQ...IMKSGGTEALFCAGNASMNGSD.....EPF.NPFDIFSAIQGQ	72
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NTDB id 245 SPD RS03860 WP 000882517.1	IHL YTNLNGKQKQIDLCQNCYK...IITKDPNNSLFKGMTDLNMR.....DF.DPFGDFFNDLNNF	69
NTDB id 243 SPR RS03635 WP 000882517.1	IHL YTNLNGKQKQIDLCQNCYK...IITKDPNNSLFKGMTDLNMR.....DF.DPFGDFFNDLNNF	69
NTDB id 241 SP RS04015 WP 000882523.1	IHL YTNLNGKQKQIDLCQNCYK...IITKDPNNSLFKGMTDLNMR.....DF.DPFGDFFNDLNNF	69
NTDB id 1139237 DQM97 RS08135 WP 028798570.1	IHL YANINGQKQKQIDLCQNCYQ...IMKADPENTLSSNLT SQMPQSHQN.....QSMD SFFDDFFGD LNNF	75
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NTDB id 85 BSU 00860 NP 387967.1	GQEMSQTIHYTPRAKKVIELSMDEARKLGHSYVCTEHLILLGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....	141
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPRAEIVMTAASFLAIHNNSEAVCTEHLIYALLQVEIGFGLQLLKL.....QKINIVSLRKETEKR	143
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NTDB id 290 KZH43 RS10025 WP 001109677.1	QDETFTELPFSRRLQILFDEAEYVASVVHAKVLCTEHLVLYAILHDCNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
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NTDB id 297 STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGESEHVLMAFILHKLDMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERN	156
NTDB id 329 STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGESEHVLMAFILHKLDMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERN	156
consensus	* * * * * * * * * * * * * * *	

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NTDB id 601 KW2 RS02615 WP 021036805.1	.DFNGAASNQTPTQTGGRG.....PRGPPQNPRAKQPKGMLLEFGINITESSARRGEIDPVIGRDEEIKRVI	137
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NTDB id 85 BSU 00860 NP 387967.1	LGSNET.....GSSAAGTNSNANTPTLDSLARDLTATAEDSLDPVIGRSKEIQRVI	193
NTDB id 610 V4T04 RS10165 WP 012897346.1	TCLKVPESSKKAVTMSK.....RKMAKG.....VAENSTTPTLDSVSSDLTBEARLCKLDPMIGRDAEIDRLI	206
NTDB id 287 SP RS11210 WP 001109712.1	AGWTREDLKA.LRQRHR.....TV.ADKQNSMANMMGMPTPSGGLEDYTHDLTEQARSCKLEPVIGRDKEISRM	219
NTDB id 290 KZH43 RS10025 WP 001109677.1	AGWTREDLKA.LRQRHR.....TV.ADKQNSMANMMGMPTPSGGLEDYTHDLTEQARSCKLEPVIGRDKEISRM	219
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NTDB id 377 SMU RS09275 WP 002262344.1	AGFSKEDIKA.IFEMRK.....PKKVKNSSSFSDLMKPP.SVTGELADFTRDLTALARQGRLEPVIGREQEISRMV	223
NTDB id 297 STER RS00545 WP 011680614.1	AGLSKQDLKA.IHDLRK.....PKKSKASANFANMMQPPQSSTGELADYTKDLTALAESCNDLPVIGRDEEISRM	226
NTDB id 329 STU RS10020 WP 011225298.1	AGLSKQDLKA.IHDLRK.....PKKSKASANFANMMQPPQSSTGELADYTKDLTALAESCNDLPVIGRDEEISRM	226
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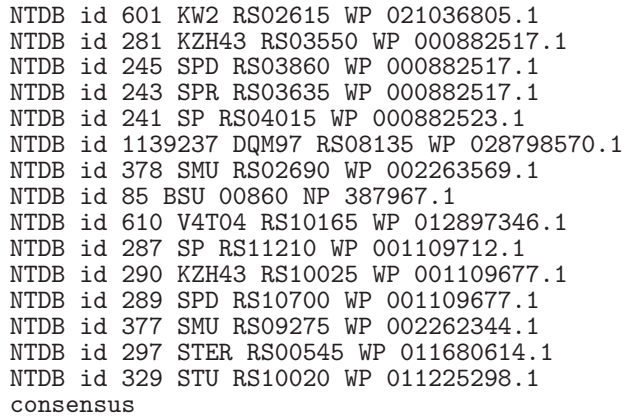
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NTDB id 1139237 DQM97 RS08135 WP 028798570.1	EILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGSVPQKLQNKQVIRLDVVSIVQGTGIRCGFEERMCKLMDEIRQRQD	234
NTDB id 378 SMU RS02690 WP 002263569.1	EILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLHGKNVIRLDVVSIVQGTGIRCGFEERMCKLMDEIRQRQD	224
NTDB id 85 BSU 00860 NP 387967.1	EVLNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLHGKNVIRLDVVSIVQGTGIRCGFEERMCKLMDEIRQAGN	273
NTDB id 610 V4T04 RS10165 WP 012897346.1	HILSRRTKNNPVLIGEPGVGKSAIEGLAQKIVNQCQVPIGLMNSRIMALNMATVVAGTKFRCBFEDRLTAIVEEVSSDPD	286
NTDB id 287 SP RS11210 WP 001109712.1	QILSRKTNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNI IKDIEEDGQ	299
NTDB id 290 KZH43 RS10025 WP 001109677.1	QILSRKTNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNI IKDIEEDGQ	299
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NTDB id 377 SMU RS09275 WP 002262344.1	QILSRKTNNPVLVGDAGVGKTALAYGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNI IKDIEADGH	303
NTDB id 297 STER RS00545 WP 011680614.1	QVLSRKTNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRIEELDMMSVVAGTRFRGDFEERMNNI IDEI EADGK	306
NTDB id 329 STU RS10020 WP 011225298.1	QVLSRKTNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRIEELDMMSVVAGTRFRGDFEERMNNI IDEI EADGK	306
consensus	*! !*!!!!!!*!*!!*! *! !!*! * *!! * ** !*****! !! !! !*!* *****	

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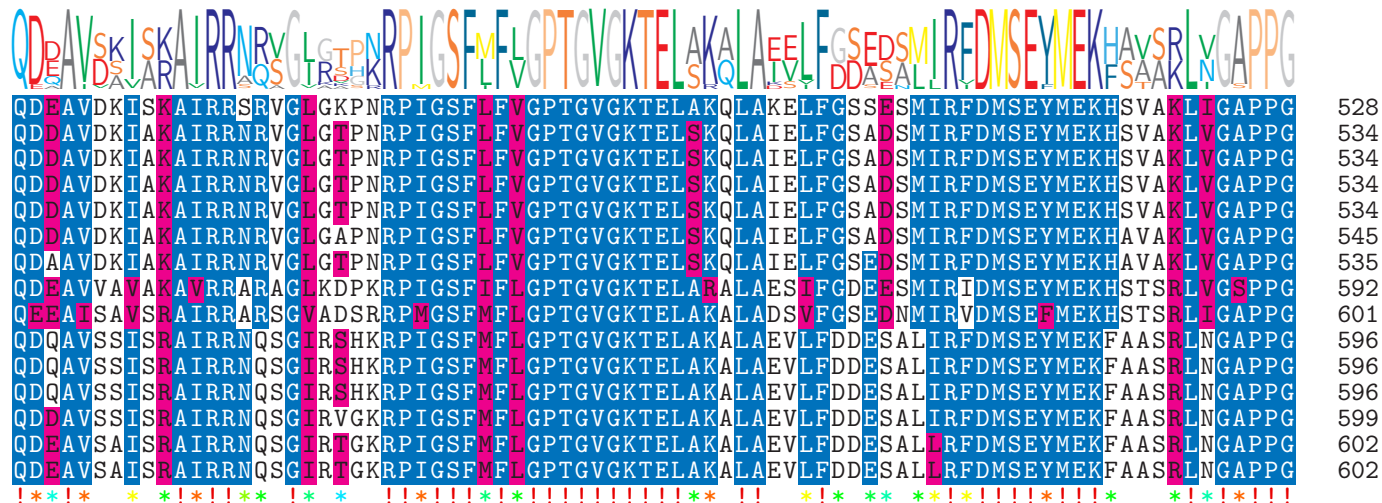
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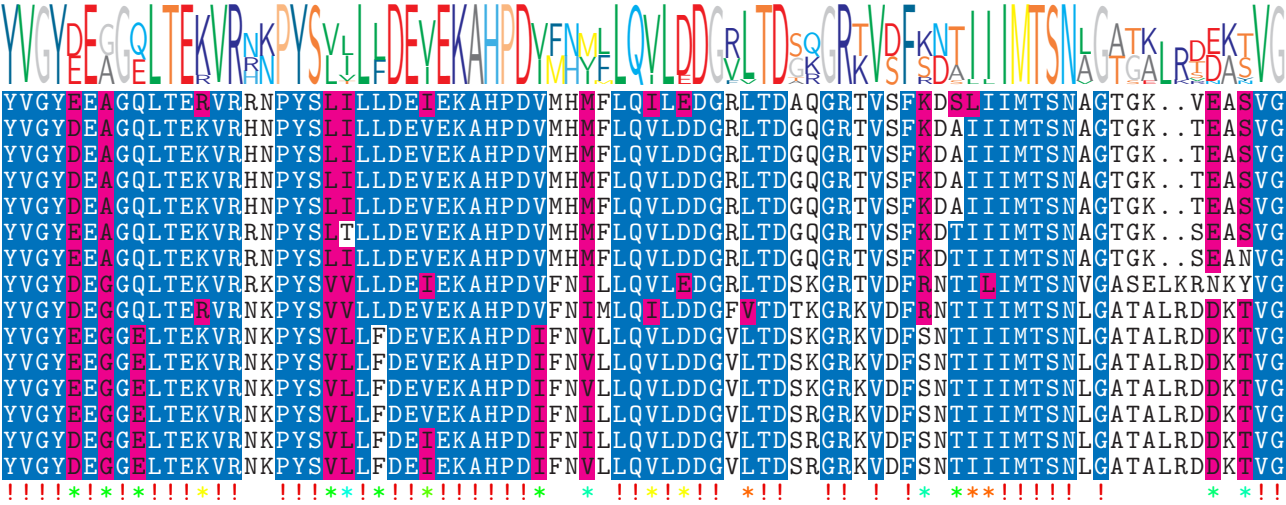
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consensus

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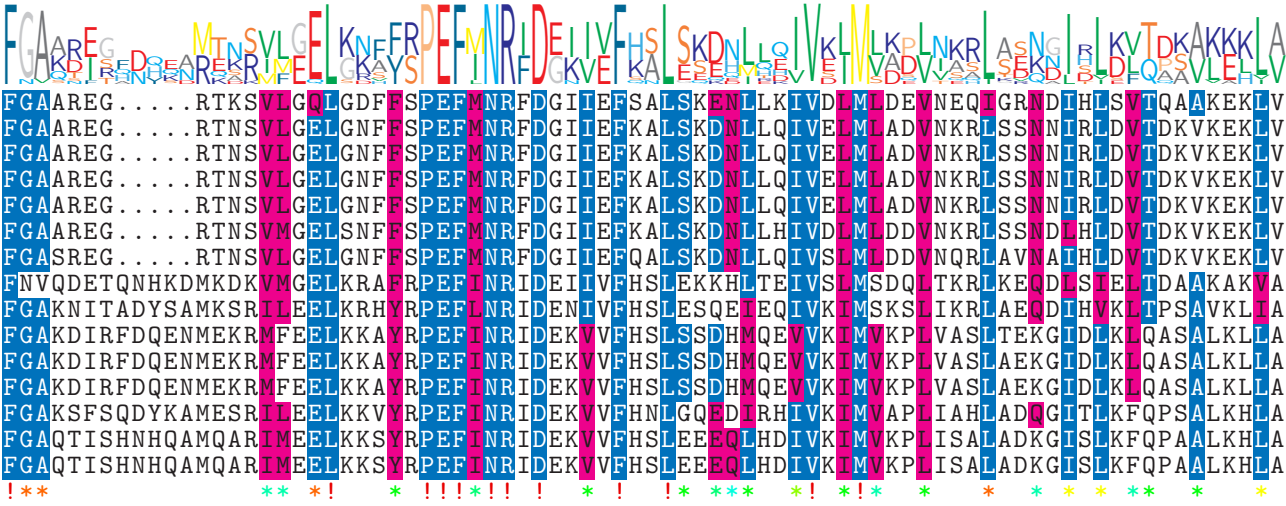
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consensus



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consensus



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consensus	* !*** *!!!!!!***! *!! *** *	* * * * *	

- non conserved
- similar
- ≥ 50% conserved