

PPXD (Partial Sequences)

C-loop

<i>Thermotoga maritima</i>	333	YHLINALKALHLFKKDVYVVM-NGEVIIVDEFTGRLLPGRRYSGGLHQA	381
<i>Escherichia coli</i>	308	HHVTAALRAHALFTRVDYIVK-DGEVIIVDEHTGRMQGRRWSDGLHQA	356
<i>Bacillus subtilis</i>	288	HHINQALKAHVAMQKDVYVVEDG-QVVIIVDSFTGRMLKGRRYSEGLHQA	336
<i>Thermus thermophilus</i>	302	HMLIQAIRAKELYHRDRDYIVQ-DGQVIIVDEFTGRMLPGRRYSEGLHQA	350
<i>Salmonella enterica</i>	308	HHVTAALRAHALFTRVDYIVK-DGEVIIVDEHTGRMQGRRWSDGLHQA	356
<i>Haemophilus influenzae</i>	306	HHVMAALRAHLFEKDVYIVK-DGEVIIVDEHTGRTMAGRRWSDGLHQA	354
<i>Neisseria meningitidis</i>	303	HHLMAALRAHSLFHKDQHYVIQ-DGEVIIVDEFTGRIMSGRRWSEGLHQA	351
<i>Helicobacter pylori</i>	297	HHLQALKANYLFFIDKDYIVA-NNEVVIIVDEFTGRLSEGRRFSEGLHQA	345
<i>Campylobacter jejuni</i>	302	HQLDQALKAHNLFEKDVHYVLR-NNEVIIVDEFTGRLSEGRRFSEGLHQA	350
<i>Brucella melitensis</i>	297	HHLNNAALRAHLFQRDKDYIVR-NDEVIIVDEFTGRMMPGRRYSEGLHQA	345
<i>Mesorhizobium loti</i>	297	HHVNNALKAHLFLKDKDYIVR-NGEVIIVDEFTGRMMPGRRYSEGLHQA	345
<i>Rickettsia prowazekii</i>	295	HYVNNALKAHMFMTIDVDYIVR-EGKVIIVDEFTGRVMEGRRYSEGLHQA	343
<i>Agrobacterium tumefaciens</i>	297	HHINNALKAKHLFTRDKDYIVR-NDEVIIVDEFTGRMMPGRRYSEGLHQA	345
<i>Sinorhizobium meliloti</i>	297	HHVNNALKAHLFTRDKDYIVR-NGEVIIVDEFTGRMMPGRRYSEGLHQA	345
<i>Aquifex aeolicus</i>	351	HAILQSIIRAHHLFKKDVHYIVR-DGEVLIIVDEFTGRVLPGRRWSDGLHQA	399
<i>Synechocystis</i>	292	HYIFNAIKAKHLFLKDNVYIVR-NGEVIIVDEFTGRIMVGRRWSDGLHQA	340
<i>Nostoc sp. PCC 7120</i>	285	HFVFNAIKAKHLFLKDNVYIVR-NGEVIIVDEFTGRVLPGRRWSDGLHQA	333
<i>Deinococcus radiodurans</i>	303	HMITQAIRARELYHREKDYIVNAEGEVVIVDEFTGRSMPGRRYSEGLHQA	352
<i>Chlamydia trachomatis</i>	427	HGLRQLLRAHLLMEKIDYIVR-DDQVIIVDEHTGRPQSGRRFSEGLHQA	475
<i>Treponema pallidum</i>	315	HYFTQALRAHLLYRADVDYVVK-DGQVQIVDEFTGRILEGRRYSDGLHQA	363
<i>Borrelia burgdorferi</i>	312	HYMTQALKAHLLFLKNREYIVG-DSGVEIVDEFTGRVLTGRRYSDGLHQA	360
<i>Corynebacterium glutamicum</i>	288	SYLNNAIKAQELFTRDKDYIVR-NGEVMIVDGFTGRVLAGRRYNEGMHQA	336
<i>Mycobacterium leprae</i>	289	SYLNNALKAKELFNDRDKDYIVR-DGEVLIIVDEFTGRVLIGRRYNEGMHQA	337
<i>Clostridium acetobutylicum</i>	288	HHTSQALKANYLMKRDYIMVKED-EVVIIVDEFTGRIMEGRRYSDGLHQA	336
<i>Staphylococcus aureus</i>	294	SHINTALRAHVTLQRVDYIMVVDG-EVLIIVDQFTGRTMPGRRFSEGLHQA	342
<i>Listeria innocua</i>	288	HIIAQLKALRAHLLFLKDNVYVQDD-EVLIIVDQFTGRIMKGRRFSEGLHQA	336
<i>Lactococcus lactis</i>	300	HFVDNALRANFIMLHDIDYVVDENQEVLIIDQFTGRTMPGRRYSDGLHQA	349
<i>Streptococcus pneumoniae</i>	288	HFIDNALRANFIMLLDIDYVVDSEEQEILIVDQFTGRIMEGRRYSDGLHQA	337
<i>Mycoplasma pulmonis</i>	287	HRIQNALRANFIMKDVVEYIVK-DEKIELIDAFTRIMEGRAYSEGLQQA	335
<i>Mycoplasma pneumoniae</i>	289	HKIINALTAVKVFEEQKEYIVR-DGKVLIVDHFTRILEGRYSNGLHQA	337

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NBD2 (Partial Sequences)

<i>Thermotoga maritima</i>	454	RTQKEKYEKIVEEIEKRYKKQPVLVGTTSIEKSELSSMLK-----	495
<i>Escherichia coli</i>	429	MTEAEKIQAI IEDIKERTAKQPVLVGTISIEKSELVSNELTK-----	471
<i>Bacillus subtilis</i>	409	RTMEGKFKAVAEDVAQRYMTGQPVLVGTVAVETSELISKLLKN-----	451
<i>Thermus thermophilus</i>	423	RTEKGFYAVVEEIAEKYERGPVLVGTISIEKSERLSQMLKEPRLYLPR	472
<i>Salmonella enterica</i>	429	MTEAEKIQAI IEDIKERTANGQPVLVGTISIEKSEVVSRELTK-----	471
<i>Haemophilus influenzae</i>	357	ENEQYKFNAI IEDIKDCVERQPVLVGTISIEKSELKALDK-----	399
<i>Neisseria meningitidis</i>	354	RSAAEKFEAVVKDIEECHKRGQPVLVGTTSIENSELVSHLLQ-----	396
<i>Helicobacter pylori</i>	348	KSEKEKFDAILKIKELHDKQPVLVGTASIEKSETLHALLKK-----	390
<i>Campylobacter jejuni</i>	423	KTQNEKFKAVIEEIKKANAKQPVLVGTASIERSEVFNHMLVK-----	465
<i>Brucella melitensis</i>	418	RTVEEKYRAIVRDIRASHEKQPILVGTTSIEKSEQLAERLRR-----	460
<i>Mesorhizobium loti</i>	348	RTVEEKYKAIVKEIREASAKQPVLVGTTSIEKSEQLADRLR-----	390
<i>Rickettsia prowazekii</i>	416	GSKQEKYDAIKLIKICYNRGPVILVGTISIEKSELSSILNK-----	458
<i>Agrobacterium tumefaciens</i>	418	RTGEEKFLAITEIKAHERGQPVLVGTTSIEKSELHAHLRQ-----	460
<i>Sinorhizobium meliloti</i>	348	RTVGEKFKAI IDEIKSAHERGQPMLVGTTSIEKSELADMLKK-----	390
<i>Aquifex aeolicus</i>	402	KTKEEKWERVVEVLLNHIFGRPVILVGTVSI EDNEKLSLLKLNK-----	447
<i>Synechocystis</i>	413	KNEEAKKVALECEELHQGRPILVGTTSIEKSEVISRLLQS-----	455
<i>Nostoc sp. PCC 7120</i>	406	KKEIGKQAIARECAEMHELGRPVLVGTTSIEKSEYLSLLRE-----	448
<i>Deinococcus radiodurans</i>	425	RTRMGKYAAVVEVQEMHATGRPILIGTASIEETSELSSLLQ-----	467
<i>Chlamydia trachomatis</i>	478	MTEREKYQAI VAEIISAHRSGKPIIGTESVEVSEKLSRILRQ-----	520
<i>Treponema pallidum</i>	436	LSEEEKWSAICDEIKAHTRGQPVLVGTISIEKSEKLSALLRT-----	478
<i>Borrelia burgdorferi</i>	433	YTEEFKFNATDEVYKTYKKQPVLVGTVSI EKSEILSAMFKN-----	475
<i>Corynebacterium glutamicum</i>	339	KTQEAKFVAVDDIAERTEKGPVLVGTVSV ERSEYLSQLLTK-----	381
<i>Mycobacterium leprae</i>	410	KTEEAKYMAVDDVAERYEKQPVLIGTTSVERSEYLSRQFTK-----	452
<i>Clostridium acetobutylicum</i>	339	KTELGKFKAVVEDIVETNKNQPVLVGTVSI EKSELSSLLK-----	381
<i>Staphylococcus aureus</i>	345	ISQKGFDAVVEDVVEKHKAGQPVLVGTVAVETSEYISNLLK-----	387
<i>Listeria innocua</i>	409	TTEAKFNAVEDIADRHAQGPVLVGTVAI ETSELISSKLR-----	451
<i>Lactococcus lactis</i>	352	PTLEAKFVAVDDIAERTEKGPVLVGTVSV ERSEYLSQLLTK-----	394
<i>Streptococcus pneumoniae</i>	410	ASIESKFKAVVEDVKARYQKQPVLVGTVAVETSDYISKLLVA-----	452
<i>Mycoplasma pulmonis</i>	408	WGTRQKLNAILKEVKQVSKTGPVILIGTSQIEQSEQLHQLFDQ-----	450
<i>Mycoplasma pneumoniae</i>	340	GTPNIKWLAVVKEVKRIHETGRPILIGTANIDDS ELLHNYLQE-----	382

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