

# Nucleotide sequence of a 16S rRNA gene for *Leptospira interrogans* serovar *canicola* strain Moulton

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A 16S ribosomal RNA gene from *Leptospira interrogans* serovar *canicola* has been cloned and sequenced. We have reported previously the physical organization of the rRNA genes in the organism (1) and the primary structure of a gene coding for the 23S rRNA (2). Here we present the primary structure of 16S rRNA gene. Various DNA fragments were obtained and subcloned into pUC18. Deletion mutants were made by using a deletion kit (3). The DNA sequencing was performed on both strands by employing M13/dideoxy method (4). A more detailed

analysis of secondary structure and phylogenetic implications will be presented elsewhere.

## REFERENCES

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AACACGGAGA	GTTTGATCCT	GGCTCAGAAC	TAACGCTGGC	GGCGGTCTT	AAACATGCAA	60
GTCAAGCGGA	GTAGCAATAC	TCAGCGGCGA	ACGGGTGAGT	AACACGTGGG	TAATCTTCCT	120
CTGAGTCTGG	GATAACTTTC	CGAAAGGGAA	GCTAATACTG	GATGGTCCCG	AGAGATCACA	180
AGATTTTTTCG	GGTAAAGATT	TATGCTCGG	AGATGAGCCC	GCGTCCGATT	AGCTAGTTGG	240
TGAGGTAAAG	GCTCACCAAG	GCGACGATCG	GTAGCCGGCC	TGAGAGGGTG	TTCCGGCCACA	300
ATGGAACTGA	GACACGGTCC	ATACTCCTAC	GGGAGGCAGC	AGTTAAGAAT	CTTGCTCAAT	360
GGGGGGAACC	TGAAGCAGCG	ACGCCGCGTG	AACGATGAAG	GTCTTCGGAT	TGTAAAGTTC	420
AGTAAGCAGG	GAAAAATAAG	CAGCAATGTG	ATGATGGTAC	CTGCCTAAAG	CACCGGCTAA	480
CTACGTGCCA	GCAGCCGCGG	TAATACGTAT	GGTGCAAGCG	TTGTTCGGAA	TCATTGGGCG	540
TAAAGGGTGC	GTAGGCGGAC	ATGTAAGTCA	GGTGTGAAAA	CTGCGGGCTC	AACTCGCAGC	600
CTGCACCTGA	AACTATGTGT	CTGGAGTTTG	GGAGAGGCAA	GTGGAATTCC	AGGTGTAGCG	660
GTGAAATGCG	TAGATATCTG	GAGGAACACC	AGTGGCGAAG	GCGACTTGCT	GGCCTAAAC	720
TGACGCTGAG	GCACGAAAGC	GTGGGTAGTG	AACGGGATTA	GATACCCCGG	TAATCCACGC	780
CCTAAACGTT	GTCTACCACT	TGTTGGGGGT	TTTAACCCCTC	AGTAACGAAC	CCTAACGGATT	840
AAGTAGACCG	CCTGGGGACT	ATGCTCGCAA	GAGTGAAACT	CAAAGGAATT	GACGGGGGTC	900
CGCACAAGCG	GTGGAGCATG	TGGTTAATT	CGATGATACG	CGAAAAACCT	CACCTAGGCT	960
TGACATGGAG	TGGAATCATG	TAGAGATACA	TGAGCCCTCG	GGCCGCTTCA	CAGGTGCTGC	1020
ATGGTTGTCG	TCAGCTCGTG	TCGTGAGATG	TTGGGTAAAG	TCCCAGCAACG	AGCGCAACCC	1080
TCACCTTATG	TTGCCATCAT	TCAGTTGGGC	ACTCGTAAGG	AACTGCCGGT	GACAAACCGG	1140
AGGAAGGCGG	GGATGACGTC	AAATCCTCAT	GGCCTTTATG	TCTAGGGCAA	CACACGTGCT	1200
ACAATGGCCG	GTACAAAGGG	TAGCCAATC	GCGAGGGGGA	GCTAATCTCA	AAAATCCGGT	1260
CCCAGTTCGG	ATTGGAGTCT	GCAACTCGAC	TCCATGAAGT	CGGAATCGCT	AGTAATCGCG	1320
GATCAGCATG	CCGCGGTGAA	TACGTTCCCG	GACCTTGTTAC	ACACCGCCCG	TCACACCACC	1380
TGAGTGGGGA	GCACCCGAAG	TGGTCTTTGC	CAACCGCAAG	GAAGCAGACT	ACTAAGGTGA	1440
AACTCGTGAA	GGGGGTGAAG	TCGTAACAAG	GTAGCCGTAT	CGGAAGGTGC	GGCTGGATCA	1500
CCTCCTTT						1508

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