

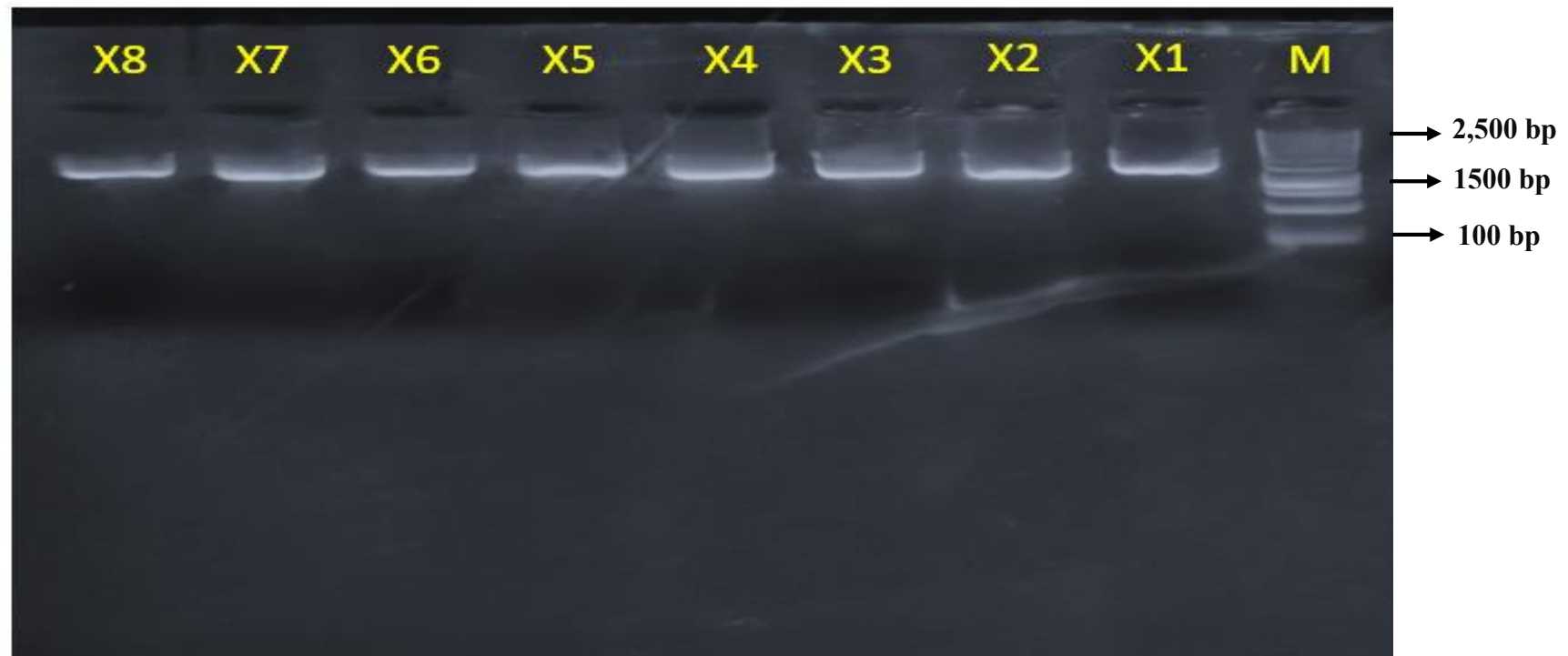


Figure 1. PCR product profiles of the 16S rDNA gene for *C. jejuni* isolates. **Lane M:** DNA marker (100 bp–2,500 kb); **Lanes X1–X8:** Positive *C. jejuni* isolates found within a 1,500 bp band length

Isolate no 5

1	GTAATGGCTT	ACCAAGGCTA	TGACGCTTAA	CTGGTCTGAG	AGGATGATCA	GTCACACTGG
61	AACATGAGACA	CGGTCCAGAC	TCCTACGGGA	GGCAGCAGTA	GGGAATATTG	CGCAATGGGG
121	GAAACCCTGA	CGCAGCAACG	CCGCGTGGAG	GATGACACTT	TTCGGAGCGT	AAACTCCTTT
181	TCTTAGGGAA	GAATTCTGAC	GGTACCTAAG	GAATAAGCAC	CGGCTAACTC	CGTGCCAGCA
241	GCCGCGGTAA	TACGGAGGGT	GCAAGCGTTA	CTCGGAATCA	CTGGGCGTAA	AGGGCGCGTA
301	GGCGGATTAT	CAAGTCTCTT	GTGAAATCTA	ATGGCTTAAC	CATTAAACTG	CTTGGGAAAC
361	TGATAGTCTA	GAGTGAGGGA	GAGGCAGATG	GAATTGGTGG	TGTAGGGGTA	AAATCCGTAG
421	ATATCACCAA	GAATACCCAT	TGCGAAGGCG	ATCTGCTGGA	ACTCAACTGA	CGCTAAGGCG
481	CGAAAGCGTG	GGGAGCAAAC	AGGATTAGAT	ACCCCTGGTAG	TCCACGCCCT	AAACGATGTA
541	CAC TAGTTGT	TGGGGTGCTA	GCCATCTCAG	TAATGCAGCT	AACGCATTAA	GTGTACCGCC
601	TGGGGAGTAC	GGTCGCAAGA	TTAAACTCA	AAGGAATAGA	CGGGGACCCG	CACAAGCGGT
661	GGAGCATGTG	GTTTAAATCG	AAGATACGCG	AAGAACCCTTA	CCTGGGCTTG	ATATCCTAAG
721	AACCTTATAG	AGATATGAGG	GTGCTAGCTT	GCTAGAACTT	AGAGACAGGT	GCTGCACGGC
781	TGTCGTCAGC	TCGTGTCGTG	AGATGTTGGG	TTAAGTCCCG	CAACGAGCGC	AACCCACGTA
841	TTTAGTTGCT	AACGGTTCGG	CCGAGCACTC	TAAATAGACT	GCCTTCGTAA	GGAGGAGGAA
901	GGTGTGGACG	ACGTCAAGTC	ATCATGGCCC	TTATGCCCAG	GGCGACACAC	

Fig (14): The 16S rDNA gene sequence of isolate *Campylobacter jejuni* strain 5.

Table (1) BLAST result of 16S rDNA gene sequence of isolate *Campylobacter jejuni* strain 5.

Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
Campylobacter jejuni subsp. doylei strain LMG 8843 16S ribosomal RNA, partial sequence	1760	1760	100%	0.0	99.79%	NR_043599.1
Campylobacter jejuni subsp. jejuni ATCC 33560 16S ribosomal RNA, partial sequence	1749	1749	100%	0.0	99.58%	NR_118520.1
Campylobacter jejuni strain NCTC 11351 16S ribosomal RNA, partial sequence	1749	1749	100%	0.0	99.58%	NR_041834.1
Campylobacter jejuni strain DSM 4688 16S ribosomal RNA, partial sequence	1749	1749	100%	0.0	99.58%	NR_117760.1
Campylobacter insulaenigrae NCTC 12927 16S ribosomal RNA, partial sequence	1722	1722	100%	0.0	99.06%	NR_043608.1
Campylobacter insulaenigrae strain CCUG 48653 16S ribosomal RNA, partial sequence	1722	1722	100%	0.0	99.06%	NR_118519.1
Campylobacter insulaenigrae NCTC 12927 16S ribosomal RNA, partial sequence	1718	1718	100%	0.0	98.96%	NR_114914.1
Campylobacter subantarcticus strain LMG 24377 16S ribosomal RNA, partial sequence	1716	1716	100%	0.0	98.96%	NR_115081.1
Campylobacter novaezeelandiae strain B423b 16S ribosomal RNA, partial sequence	1716	1716	100%	0.0	98.96%	NR_180527.1
Campylobacter ornithocola strain WBE38 16S ribosomal RNA, partial sequence	1711	1711	100%	0.0	98.85%	NR_156985.1
Campylobacter aviculae strain MIT17-670 16S ribosomal RNA, partial sequence	1711	1711	100%	0.0	98.85%	NR_180417.1
Campylobacter taeniopygiae strain MIT10-5678 16S ribosomal RNA, partial sequence	1711	1711	100%	0.0	98.85%	NR_180416.1
Campylobacter lari subsp. concheus strain CCUG 55786 16S ribosomal RNA, partial sequence	1705	1705	100%	0.0	98.75%	NR_118522.1
Campylobacter bilis strain VicNov18 16S ribosomal RNA, partial sequence	1700	1700	100%	0.0	98.64%	NR_181124.1
Campylobacter lari subsp. concheus strain 2897R 16S ribosomal RNA, partial sequence	1698	1698	100%	0.0	98.54%	NR_042683.1
Campylobacter peloridis strain 2314BVA 16S ribosomal RNA, partial sequence	1694	1694	100%	0.0	98.54%	NR_042684.1
Campylobacter hepaticus strain HV10 16S ribosomal RNA, partial sequence	1694	1694	100%	0.0	98.54%	NR_152703.1

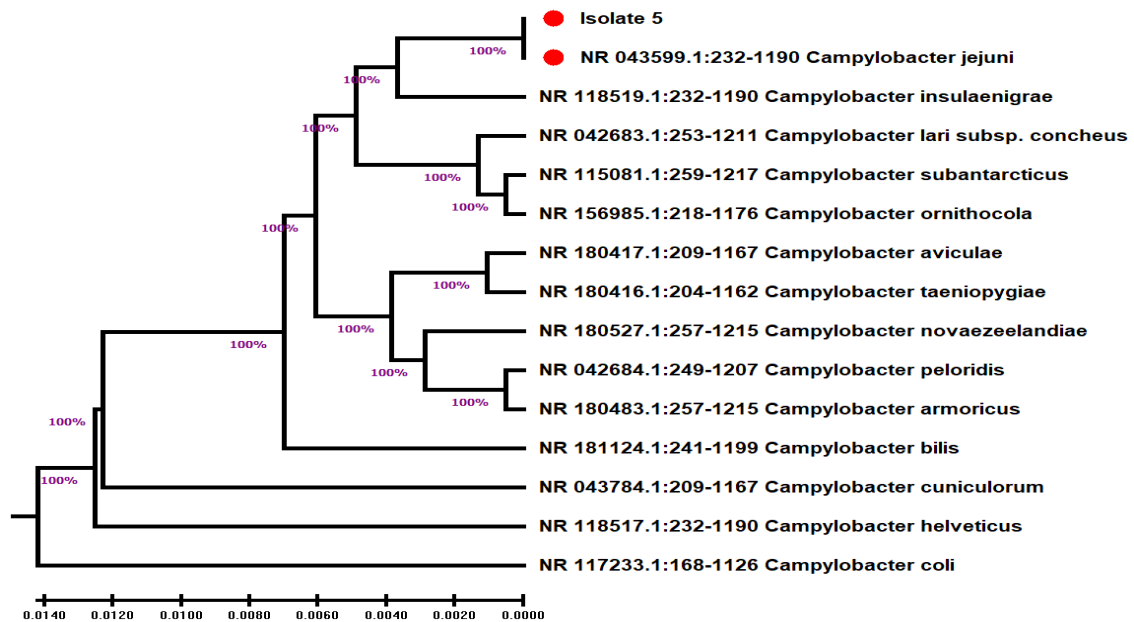


Fig (2): Phylogenetic tree based on partial 16S rDNA sequences, showing the relationship between isolate *Campylobacter jejuni* **strain 5** and other species belong to the genus *Campylobacter*. The tree was constructed using the MEGA11 and neighbor-joining method

Isolate no 6

1	TGGTAAGGTA	ATGGCTTACC	AAGGCTATGA	CGCTTAACTG	GTCTGAGAGG	ATGATCAGTC
61	ACACTGGAAC	TGAGACACGG	TCCAGACTCC	TACGGGAGGC	AGCAGTAGGG	AATATTGCGC
121	AATGGGGGAA	ACCCTGACGC	AGCAACGCCG	CGTGGAGGAT	GACACTTTTC	GGAGCGTAAA
181	CTCCTTTTCT	TAGGGAAGAA	TTCTGACGGT	ACCTAAGGAA	TAAGCACCGG	CTAACTCCGT
241	GCCAGCAGCC	GCGGTAATAC	GGAGGGTGCA	AGCGTTACTC	GGAATCACTG	GGCGTAAAGG
301	GCGCGTAGGC	GGATTATCAA	GTCTCTTGTG	AAATCTAATG	GCTTAACCAT	TAAACTGCTT
361	GGGAAACTGA	TAGTCTAGAG	TGAGGGAGAG	GCAGATGGAA	TTGGTGGTGT	AGGGGTAAAA
421	TCCGTAGATA	TCACCAAGAA	TACCCATTGC	GAAGGCGATC	TGCTGGAAC	CAACTGACGC
481	TAAGGCGCGA	AAGCGTGGGG	AGCAAACAGG	ATTAGATACC	CTGGTAGTCC	ACGCCCTAAA
541	CGATGTACAC	TAGTTGTTGG	GGTGCTAGTC	ATCTCAGTAA	TGCAGCTAAC	GCATTAAGTG
601	TACCGCCTGG	GGAGTACGGT	CGCAAGATTA	AAACTCAAAG	GAATAGACGG	GGACCCGCAC
661	AAGCGGTGGA	GCATGTGGTT	TAATTCGAGG	ATACGCGAAG	AACCTTACCT	GGGCTTGATA
721	TCCTAAGAAC	CTTATAGAGA	TATGAGGGTG	CTAGCTTGCT	AGAACTTAGA	GACAGGTGCT
781	GCACGGCTGT	CGTCAGCTCG	TGTCGTGAGA	TGTTGGGTTA	AGTCCCG	

Fig (16): The 16S rDNA gene sequence of isolate *Campylobacter jejuni* strain 6.

Table (2) BLAST result of 16S rDNA gene sequence of *Campylobacter jejuni* strain 6.

Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
Campylobacter jejuni subsp. doylei strain LMG 8843 16S ribosomal RNA, partial sequence	2008	2008	100%	0.0	99.64%	NR_043599.1
Campylobacter novaezeelandiae strain B423b 16S ribosomal RNA, partial sequence	1975	1975	100%	0.0	99.09%	NR_180527.1
Campylobacter subantarcticus strain LMG 24377 16S ribosomal RNA, partial sequence	1969	1969	100%	0.0	99.00%	NR_115081.1
Campylobacter aviculae strain MIT17-670 16S ribosomal RNA, partial sequence	1969	1969	100%	0.0	99.00%	NR_180417.1
Campylobacter taeniopygiae strain MIT10-5678 16S ribosomal RNA, partial sequence	1969	1969	100%	0.0	99.00%	NR_180416.1
Campylobacter insulaenigrae NCTC 12927 16S ribosomal RNA, partial sequence	1964	1964	100%	0.0	98.91%	NR_043608.1
Campylobacter ornithocola strain WBE38 16S ribosomal RNA, partial sequence	1964	1964	100%	0.0	98.91%	NR_156985.1
Campylobacter insulaenigrae strain CCUG 48653 16S ribosomal RNA, partial sequence	1964	1964	100%	0.0	98.91%	NR_118519.1
Campylobacter insulaenigrae NCTC 12927 16S ribosomal RNA, partial sequence	1960	1960	100%	0.0	98.82%	NR_114914.1
Campylobacter lari subsp. concheus strain CCUG 55786 16S ribosomal RNA, partial sequence	1958	1958	100%	0.0	98.82%	NR_118522.1
Campylobacter lari subsp. concheus strain 2897R 16S ribosomal RNA, partial sequence	1951	1951	100%	0.0	98.64%	NR_042683.1
Campylobacter armoricus strain CA656 16S ribosomal RNA, partial sequence	1941	1941	100%	0.0	98.54%	NR_180483.1
Campylobacter peloridis strain 2314BVA 16S ribosomal RNA, partial sequence	1930	1930	100%	0.0	98.36%	NR_042684.1
Campylobacter volucris strain LMG 24380 16S ribosomal RNA, partial sequence	1930	1930	100%	0.0	98.36%	NR_116923.1
Campylobacter bilis strain VicNov18 16S ribosomal RNA, partial sequence	1930	1930	100%	0.0	98.36%	NR_181124.1

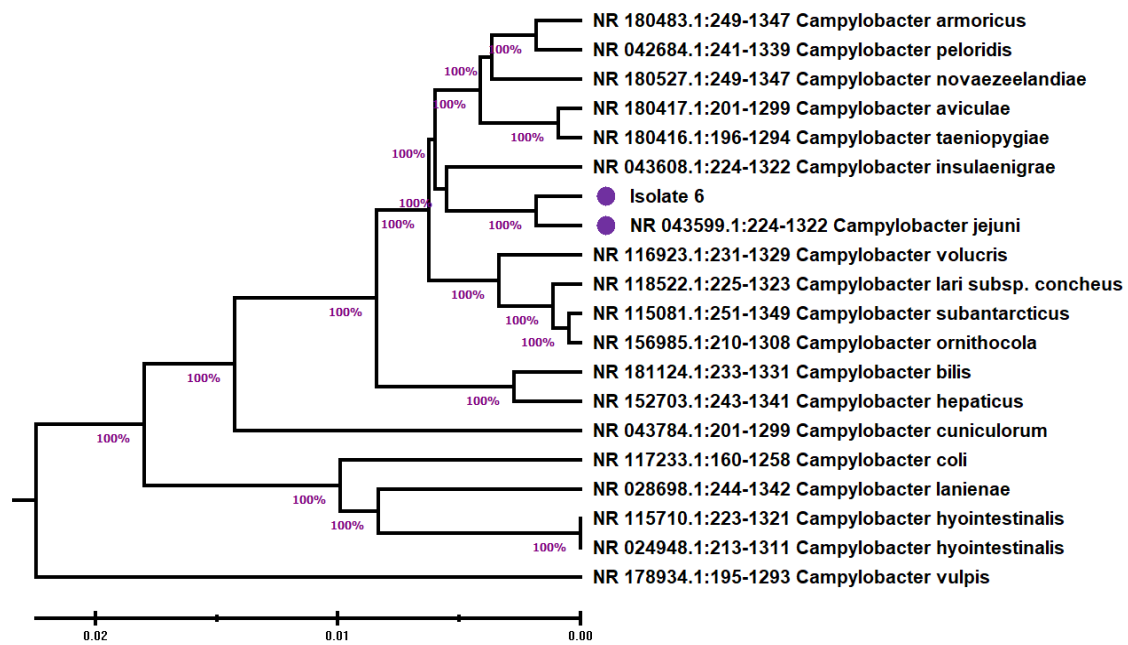


Fig (3): Phylogenetic tree based on partial 16S rDNA sequences, showing the relationship between isolate *Campylobacter jejuni* strain 6 and other species belonging to the genus *Campylobacter*. The tree was constructed using the MEGA11 and neighbor-joining method