Strain ID: Val_Cj067

Strain information

Taxonomic name	*Campylobacter jejuni*	
Year of sample collection	2012	
Country of sampling	Antarctic	
Matrix | source	faeces	wild bird
Collection / Intended use	WGS validation strain collection	

Culture and growth conditions

Biosafety level	2
Cultivation media	Columbia blood agar suppl. with 5% defibrinated sheep or horse blood, or another suitable non-selective blood agar. For selective isolation, mCCDA or another appropriate selective Campylobacter medium can be used.
Cultivation conditions	41.5 ± 1 °C for 24–48 h under microaerobic conditions
Recommended procedure for storage	≤ –70 °C in a suitable cryoprotective medium, such as broth containing glycerol.

Phenotypic data (according to ISO 10272:2017)

Test >	Oxidase	Catalase	Hippurate	Indoxyl acetate	Aerobic growth 25°C
Results	pos	pos	pos	pos	neg

Maldi-TOF MS (Bruker db) result | score	*C. jejuni*	2,16

Molecular data

Details on methods used can be found on page 2, under Technical specifications and methods

WGS species identification	*Campylobacter jejuni*	
Sequence type | clonal complex	ST-45	CC-45
PCR systems tested | outcome	PCR 1 / PCR 2 / PCR 3	+ / + / +
WGS data	Zenodo doi: 10.5281/zenodo.23529595	

EURL-*Campylobacter* contact information

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Technical specifications and methods

Bioinformatics and Software

Analysis	Software	Version	Scheme / Database	Version
MLST	pubMLST.org (BIGSdb)	1.53.4	MLST 7 locus	2026-10-20
Assembly	Shovill (SPAdes)	1.1.0	N/A - De novo assembly	N/A
Species identification	Kraken2	2.17.1	Standard	2026-06-26

PCR Specifications

	Description	Source
PCR 1	Probe-based multiplex real-time PCR assay for confirmation of thermotolerant *Campylobacter* spp. (*C. jejuni, C. coli, C. lari)*	ISO 10272-1:2017/AMD 1:2023 Annex D
PCR 2	Gel-based multiplex PCR assay for confirmation and identification of thermotolerant *Campylobacter* spp. (*C. jejuni, C. coli, C. lari, C. upsaliensis*)	ISO 10272-1:2017/AMD 1:2023 Annex E.2
PCR 3	Probe-based multiplex real-time PCR assay for confirmation and identification of thermotolerant *Campylobacter* spp. (*C. jejuni, C. coli, C. lari*)	ISO 10272-1:2017/AMD 1:2023 Annex E.3

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