Strain ID: Val_Cc067

Strain information

Taxonomic name	*Campylobacter coli*	
Year of sample collection	2017	
Country of sampling	Sweden	
Matrix | source	ceacum	chicken
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	neg	pos	neg

Maldi-TOF MS (Bruker db) result | score	*C. coli*	2,39

Molecular data

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

WGS species identification	*Campylobacter coli*	
Sequence type | clonal complex	ST-4709	CC-828
PCR systems tested | outcome	PCR 1 / PCR 2 / PCR 3	+ / + / +
WGS data	Zenodo doi: 10.5281/zenodo.23529595	

EURL-*Campylobacter* contact information

Name of contact	Ásgeir Ástvaldsson
Contact information (e-mail and phone no.)	asgeir.astvaldsson@sva.se, +46 18 67 5248

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

Co-funded by the European Union

Co-funded by the European Union. Views and opinions expressed are however those of the authors only and do not necessarily reflect those of the European Union or the European Health and Digital Executive Agency (HaDEA). Neither the European Union nor HaDEA can be held responsible for them.