

Supplementary Table 1: Identification, origin, and reference of the *C. difficile* strains used in the present study.

Sample	Host	Country	ST	Reference
AN44	<i>Bos taurus</i>	Brazil	35	Present study
182	<i>Bos taurus</i>	Brazil	35	Cerri et al. 2024
243	<i>Bos taurus</i>	Brazil	35	
SAMEA6081850	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081851	<i>Homo sapiens</i>	Sweden	35	Werner et al. 2020
SAMEA6081858	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081857	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081856	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081855	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081854	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081853	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081852	<i>Homo sapiens</i>	Sweden	35	
SAMEA6081861	<i>Homo sapiens</i>	Sweden	35	Not applicable
SAMN01766699	<i>Homo sapiens</i>	United States	35	
SAMN19130052	<i>Homo sapiens</i>	United States	35	Williamson et al. 2023
SAMN19130058	<i>Homo sapiens</i>	United States	35	
SAMN19130070	<i>Homo sapiens</i>	United States	35	
SAMN19130072	<i>Homo sapiens</i>	United States	35	
SAMN19130110	<i>Homo sapiens</i>	United States	35	
SAMN19130130	<i>Homo sapiens</i>	United States	35	
SAMN19130144	<i>Homo sapiens</i>	United States	35	
SAMN19130146	<i>Homo sapiens</i>	United States	35	
SAMN19130155	<i>Homo sapiens</i>	United States	35	
SAMN19130184	<i>Homo sapiens</i>	United States	35	
SAMN19130190	<i>Homo sapiens</i>	United States	35	Knight et al. 2023
SAMN30881180	<i>Homo sapiens</i>	Australia	35	

Supplementary Table 2: Plasmids identified in the isolates used in the present study.

Isolated	Host	Genes	Reference
AN44	<i>Bos taurus</i>	<i>repUS43</i>	This study
182	<i>Bos taurus</i>	<i>repUS43</i>	Cerri et al. 2024
243	<i>Bos taurus</i>	<i>repUS43</i>	
SAMEA6081850	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081851	<i>Homo sapiens</i>	<i>rep1</i>	Werner et al. 2020
SAMEA6081858	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081857	<i>Homo sapiens</i>	<i>repUS43</i>	
SAMEA6081856	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081855	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081854	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081853	<i>Homo sapiens</i>	<i>rep1</i>	
SAMEA6081852	<i>Homo sapiens</i>	<i>rep1</i>	Not applicable
SAMEA6081861	<i>Homo sapiens</i>	None	
SAMN01766699	<i>Homo sapiens</i>	<i>rep1</i>	
SAMN19130052	<i>Homo sapiens</i>	None	
SAMN19130058	<i>Homo sapiens</i>	None	
SAMN19130070	<i>Homo sapiens</i>	None	Williamson et al. 2023
SAMN19130072	<i>Homo sapiens</i>	None	
SAMN19130110	<i>Homo sapiens</i>	None	
SAMN19130130	<i>Homo sapiens</i>	None	
SAMN19130144	<i>Homo sapiens</i>	<i>rep1</i>	
SAMN19130146	<i>Homo sapiens</i>	None	
SAMN19130155	<i>Homo sapiens</i>	None	
SAMN19130184	<i>Homo sapiens</i>	None	Knight et al. 2023
SAMN19130190	<i>Homo sapiens</i>	None	
SAMN30881180	<i>Homo sapiens</i>	<i>repUS43</i>	