

Supplemental Table 1. List of *C. difficile* names, ribotypes, and strain source of strains used in this study.

Strain name	Ribotype	Strain source
DG1846	F001	Dale Gerding (Hines VA, Chicago, IL, USA)
LIV24	F001	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
CD129	F001	University of Michigan Health System (Ann Arbor, MI, USA)
CD92	F001	University of Michigan Health System (Ann Arbor, MI, USA)
BI9	F001	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
CD133	F002	University of Michigan Health System (Ann Arbor, MI, USA)
DG931	F002	Dale Gerding (Hines VA, Chicago, IL, USA)
VPI10463	F003	ATCC® 43255™
630	F012	ATCC® BAA-1382™
DG1172	F014-020	Dale Gerding (Hines VA, Chicago, IL, USA)
TL176	F014-020	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
CD109	F014-020	University of Michigan Health System (Ann Arbor, MI, USA)
CD111	F014-020	University of Michigan Health System (Ann Arbor, MI, USA)
CD90	F014-020	University of Michigan Health System (Ann Arbor, MI, USA)
CD211	F014-020	University of Michigan Health System (Ann Arbor, MI, USA)
TL174	F015	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
CD149	F015	University of Michigan Health System (Ann Arbor, MI, USA)
CD131	F015	University of Michigan Health System (Ann Arbor, MI, USA)
CD166	F015	University of Michigan Health System (Ann Arbor, MI, USA)
CD175	F017	University of Michigan Health System (Ann Arbor, MI, USA)
DG4241	F017	Dale Gerding (Hines VA, Chicago, IL, USA)
CF5	F017	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
DA00065	F017	University of Michigan Health System (Ann Arbor, MI, USA)
CD305	F023	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
DG5325	F027	Dale Gerding (Hines VA, Chicago, IL, USA)
R20291	F027	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
CD196	F027	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
DG5723	F053-163	Dale Gerding (Hines VA, Chicago, IL, USA)
CD159	F053-163	University of Michigan Health System (Ann Arbor, MI, USA)
CD165	F053-163	University of Michigan Health System (Ann Arbor, MI, USA)

M120	F078-126	Trevor Lawley (Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK)
DG5709	F078-126	Dale Gerding (Hines VA, Chicago, IL, USA)
DG4068	F106	Dale Gerding (Hines VA, Chicago, IL, USA)
DA00215	FP310	University of Michigan Health System (Ann Arbor, MI, USA)
F665	FP310	University of Michigan Health System (Ann Arbor, MI, USA)
CD104	FP311	University of Michigan Health System (Ann Arbor, MI, USA)
CD201	FP311	University of Michigan Health System (Ann Arbor, MI, USA)
CD211	FP312	University of Michigan Health System (Ann Arbor, MI, USA)
CD34	FP312	University of Michigan Health System (Ann Arbor, MI, USA)
F200	FP312	University of Michigan Health System (Ann Arbor, MI, USA)
CD3	FP308	University of Michigan Health System (Ann Arbor, MI, USA)
DA00126	FP308	University of Michigan Health System (Ann Arbor, MI, USA)
CD44	FP318	University of Michigan Health System (Ann Arbor, MI, USA)
F321	FP370	University of Michigan Health System (Ann Arbor, MI, USA)