

Veterinary Research Communications

Canine circovirus and Canine adenovirus type 1 and 2 in dogs with parvoviral enteritis

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Online Resource 1 Canine circovirus sequences obtained in this study and reference strains used for sequence analysis

Virus	Host	Sample	Year^a	Origin	GenBank ID	Genome size (nt)	I	D	P
102	NA	NA	2017	China	MG279118	2063			
176	NA	NA	2017	China	MG279122	2063			
177	NA	NA	2017	China	MG279130	2063			
178	NA	NA	2017	China	MG279129	2063			
179	NA	NA	2017	China	MG279128	2063			
180	NA	NA	2017	China	MG279127	2063			
181	NA	NA	2017	China	MG279126	2063			
182	NA	NA	2017	China	MG279125	2063			
183	NA	NA	2017	China	MG279124	2063			
185	NA	NA	2017	China	MG279123	2063			
186	NA	NA	2017	China	MG279121	2063			
198	NA	NA	2017	China	MG279120	2063			
199	NA	NA	2017	China	MG279119	2063			
201	NA	NA	2017	China	MG279135	2063			
202	NA	NA	2017	China	MG279131	2063			
204	NA	NA	2017	China	MG279141	2063			
205	NA	NA	2017	China	MG279140	2063			
214	dog	serum	2011	USA	JQ821392	2063			
384	NA	NA	2017	China	MG279139	2064			
388	NA	NA	2017	China	MG279138	2064			
390	NA	NA	2017	China	MG279137	2064			
391	NA	NA	2017	China	MG279136	2064			
394	NA	NA	2017	China	MG279134	2064			
395	NA	NA	2017	China	MG279133	2064			
398	NA	NA	2017	China	MG279132	2064			
01/2015	red fox	spleen	2015	Norway	MT180077	2063			
19/2014	red fox	spleen	2014	Norway	MT180078	2063			
27/2014	red fox	spleen	2014	Norway	MT180079	2063			
64/2017	red fox	liver	2017	Norway	MT180080	2063			
73/2017	red fox	spleen	2017	Norway	MT180081	2063			
77/2017	red fox	spleen	2017	Norway	MT180082	2063			
02/1996	arctic fox	liver	1996	Norway	MT180083	2063			
47/1997	arctic fox	spleen	1997	Norway	MT180084	2063			
52/1999	arctic fox	spleen	1999	Norway	MT180085	2063			
55/1998	arctic fox	spleen	1998	Norway	MT180086	2063			
57/1997	arctic fox	spleen	1997	Norway	MT180087	2063			
65/1999	arctic fox	liver	1999	Norway	MT180088	2063			
70/1997	arctic fox	liver	1997	Norway	MT180089	2063			

79/1997	arctic fox	liver	1997	Norway	MT180090	2063
55590	red fox	faeces	2014	Croatia	KP941114	2055 (partial)
09-10F/2011	red fox	faeces	2011	Italy	MH454599	2001 (partial)
14P105D/TH2016	dog	lung	2014	Thailand	MG737378	2039 (partial)
14P112N/TH2016	dog	lung	2016	Thailand	MG737386	1989 (partial)
15P061D/TH2016	dog	lung	2015	Thailand	MG737379	1911 (partial)
AZ2972-13	dog	intestine	2013	Italy	KT734813	2063
AZ4133/1-13	wolf	spleen	2013	Italy	KT734815	2063
AZ4133/2-13	wolf	intestine	2013	Italy	KT734827	2063
AZ4438-13	badger	intestine	2013	Italy	KT734816	2063
AZ5212/1-14	dog	liver	2014	Italy	KT734817	2063
AZ5212/2-14	dog	lung	2014	Italy	KT734818	2063
AZ5586-13	wolf	lung	2013	Italy	KT734819	2063
AZ663/1-13	wolf	spleen	2013	Italy	KT734820	2063
AZ663/2-13	wolf	intestine	2013	Italy	KT734824	2063
Bari/411-13	dog	intestine	2013	Italy	KJ530972	2063
C24	dog	faeces	2016	China	MK731981	2063
C79	dog	faeces	2016	China	MK944079	2063
C85	dog	faeces	2016	China	MK944080	2063
CB6293/1-14	wolf	mln	2014	Italy	KT734812	2063
CB6293/2-14	wolf	intestine	2014	Italy	KT734828	2063
CD17/2016	dog	faeces	2016	China	MG266899	2063
CP134/TH2016	dog	nasal swab	2016	Thailand	MG737381	1902 (partial)
CP144/TH2016	dog	nasal swab	2016	Thailand	MG737382	1905 (partial)
CP181/TH2016	dog	nasal swab	2016	Thailand	MG737383	1907 (partial)
CP188/TH2016	dog	nasal swab	2016	Thailand	MG737384	1903 (partial)
CP191/TH2016	dog	nasal swab	2016	Thailand	MG737385	1954 (partial)
CP28/TH2016	dog	nasal swab	2016	Thailand	MG737380	1907 (partial)
FUBerlin-JRS	dog	spleen	2014	Germany	KT283604	2063
GL33	dog	serum	2015	China	KY388480	2063
GL51	dog	serum	2015	China	KY388482	2063
Ha13	dog	blood	2013	Germany	KF887949	2063
JZ50	dog	serum	2014	China	KY388481	2063
JZ82	dog	serum	2014	China	KY388490	2063
JZ85	dog	serum	2014	China	KY388489	2063
JZ98/2014	dog	serum	2014	China	KT946839	2063
K1	dog	faeces	2016	China	MK731982	2063
LA128	dog	serum	2014	China	KY388488	2063
LA237	dog	serum	2014	China	KY388487	2064
LA280	dog	serum	2014	China	KY388486	2063
NC21	dog	NA	2018	China	MN128702	2063

OH19098-1	dog	spleen	2015	USA	MF457592	2063
PE8575/1-13	dog	mln	2013	Italy	KT734823	2063
PE8575/2-13	dog	intestine	2013	Italy	KT734826	2063
TE4016-13	wolf	spleen	2013	Italy	KT734814	2063
TE6685/1-13	dog	brain	2013	Italy	KT734821	2063
TE6685/2-13	dog	lung	2013	Italy	KT734825	2063
TE7482-13	wolf	intestine	2013	Italy	KT734822	2063
UBA-Baires	dog	lymph node	2016	Argentina	MK033608	2063
UCD1-1698	dog	liver	2011	USA	KC241982 (NC020904)	2063
UCD2-32162	dog	faeces	2011	USA	KC241984	2063
UCD3-478	dog	blood	2011	USA	KC241983	2063
VS7100001	red fox	serum	2013	United Kingdom	KP260925	2063
VS7100003	red fox	serum	2013	United Kingdom	KP260926	2063
VS7100005	red fox	serum	2013	United Kingdom	KP260927	2063
WM46	dog	serum	2015	China	KY388485	2064
WM48	dog	serum	2015	China	KY388484	2064
WM60	dog	serum	2015	China	KY388483	2064
WM62	dog	serum	2015	China	KY388493	2064
WM63	dog	serum	2015	China	KY388491	2064
WM66	dog	serum	2015	China	KY388492	2064
WM72	dog	serum	2015	China	KY388503	2064
WM74	dog	serum	2015	China	KY388502	2064
WM76	dog	serum	2015	China	KY388501	2064
WM77	dog	serum	2015	China	KY388500	2064
WM79	dog	serum	2015	China	KY388499	2064
WM83	dog	serum	2015	China	KY388498	2063
WM84	dog	serum	2015	China	KY388497	2064
XF16	dog	faeces	2016	China	MF797786	2063
XXT242	dog	serum	2015	China	KY388496	2063
XXT243	dog	serum	2015	China	KY388495	2063
YL11	dog	serum	2016	China	KY388494	2063
800/2009	dog	faeces	2009	Italy	MT193159	2063
115/2010	dog	faeces	2010	Italy	MT193160	2063
121/2010	dog	faeces	2010	Italy	MT193161	2063
540/2010	dog	faeces	2010	Italy	MT193162	2063
570/2013	dog	faeces	2013	Italy	MT193163	2063
608/2014	dog	faeces	2014	Italy	MT193164	2063
1203/2016	dog	faeces	2016	Italy	MT193165	2063
1367/2016	dog	faeces	2016	Italy	MT193166	2063

^a Year of virus identification or sequence submission to the GenBank database

NA, not available; mln, mesenteric lymph node; nt, nucleotide; I, sequences used to calculate the nucleotide identity; D, sequences used for entropy (H(x)) plot and DnaSP analysis; P, sequences used for phylogenetic analysis. In bold: CanineCV nucleotide sequences obtained in this study.