

Table 2. List of 79 PEDV reference strains, including country and year of isolation, GenBank accession number, their sequence designation, and (sub) genotype identification that providing complete S sequences used in this study for sequence and phylogenetic analyses

No.	Designated sequences and accession numbers	Country	Year	Identified (sub)Geno Type	References
1	AF353511-1a-(CV777)-2001-Belgium	Belgium	2001	G1a	Bridgen et al. (1993)
2	KJ857455-1a-(SM98-5P)-1998-South Korea	Korea	1998	G1a	Kim et al. (2015)
3	EF185992-1a-(LZC)-2006-China	China	2006	G1a	GenBank
4	GU937797-1a-(SM98)-1998-South Korea	South Korea	1998	G1a	GenBank
5	DQ862099-1a-(DR13)VAC-2005-South Korea	South Korea	2005	G1a	Park et al. (2007)
6	LT906582-(Br1_87-UK)-1987-Friedrich-Loeffler-Institut	United Kingdom	1987	G1a	GenBank
7	LC053455-mut-(AVCT12)-2010-Thailand-	Thailand	2010	Mutant/G1a	Sun et al. (2017)
8	KX839247-mut-(85-7-mutant1)-2015-China	China	2015	Mutant/G1a	Sun et al. (2017)
9	KX839251-mut-(85-7-mutant5)-2015-China	China	2015	Mutant/G1a	Sun et al. (2017)
10	KM887144-mut-(CHM2013)-2013-China	China	2013	Mutant/G1a	Sun et al. (2017)
11	KU664503-G1-(ZJUG1)-2013-China	China	2013	G1a	GenBank
12	OQ291158-G1-(AVACPEDV98)-2021-Vietnam	Vietnam	2021	G1a	GenBank
13	JN599150-1b-(att-CV777)-1994-China	China	1994	G1b	Chen et al. (2012)
14	KC109141-1b-(JS2008)-2008-China	China	2008	G1b	Li et al. (2013)
15	AB548618-1b-(83P-5vac)-2013-Japan	Japan	2013	G1b	Sato et al. (2011)
16	KY619780-1b-(P5-V)-2005-Japan	Japan	2013	G1b	Diep et al. (2018)
17	KY420075-1b-(PEDV-SX)-2015-China	China	2015	G1b	GenBank
18	MT031818-1b-(CHQD)-2018-China	China	2018	G1b	GenBank
19	KJ645695-Sindel-(Iowa106)-2013-United States	United States	2013	S-INDEL/G1c	Vlasova et al. (2014)
20	LC063846-Sindel-(MYZ-1)-2013-Japan	Japan	2013	S-INDEL/G1c	Suzuki et al. (2015)
21	KJ645702-Sindel-(Ohio126)-2014-United States	United States	2014	S-INDEL/G1c	Suzuki et al. (2015)
22	KJ399978-Sindel-(OH851)-2014-United States	United States	2014	S-INDEL/G1c	Wang et al. (2014)
23	LM645057-Sindel-(L00721GER)-2014-Germany	Germany	2014	S-INDEL/G1c	Hanke et al. (2014)
24	KM403155-(KNU-1406-1)-2014-South Korea	South Korea	2014	S-INDEL/G1c	Lee et al. (2014)
25	KR011756-Sindel-(FR001)-2014-France	France	2014	S-INDEL/G1c	Grasland et al. (2015)
26	KR003452-Sindel-(15V010-BEL)-2015-Belgium	Belgium	2015	S-INDEL/G1c	Theuns et al. (2015)
27	JX188454-2a-(AJ1102)-2011-China	China	2011	G2a	Bi et al. (2012)
28	MH726393-2a-(GDS14)-2011-China	China	2011	G2a	GenBank
29	JX112709-2a-(GD-A)-2012-China	China	2012	G2a	GenBank
30	KM225246-2a-(YN4-9)-2012-China	China	2012	G2a	GenBank
31	MZ604716-2a-(YN17)-2016-China	China	2016	G2a	GenBank
32	KX708901-2a-(HUA-PED88)-2015-Vietnam	Vietnam	2015	G2a	Than et al. (2020)
33	KX708902-2a-(HUA-PED86)-2015-Vietnam	Vietnam	2015	G2a	Than et al. (2020)
34	KX708904-2a-(HUA-PED103)-2015-Vietnam	Vietnam	2015	G2a	Than et al. (2020)
35	KX982568-2a-(VN292-HN)-2014-Vietnam	Vietnam	2014	G2a	Diep et al. (2018)
36	MG373530-2a-(BT3S)-2016-Vietnam	Vietnam	2016	G2a	Nguyen et al. (2023)
37	MG373533-2a-(TG5S)-2016-Vietnam	Vietnam	2016	G2a	Nguyen et al. (2023)
38	MK435379-2a-(HUA-PED203)-2016-Vietnam	Vietnam	2016	G2a	Than et al. (2020)
39	MG373531-2a-(CT3S)-2015-Vietnam	Vietnam	2015	G2a	Nguyen et al. (2023)
40	KX708895-2a-(HUA-V2)-2015-Vietnam	Vietnam	2015	G2a	Than et al. (2020)
41	MG373534-2a-(VL2S)-2015-Vietnam	Vietnam	2015	G2a	Nguyen et al. (2023)
42	KJ960179-2a-(VAP1113-1)-2013-Vietnam	Vietnam	2013	G2a	Vui et al. (2014)
43	KR610994-2a-(CBR2)-2014-Thailand	Thailand	2014	G2a	Cheun-Arom et al. (2015)
44	KF452323-2b-(Indiana)-2013- United States	United States	2013	G2b	Stevenson et al. (2013)
45	KJ645670-2b-(Ohio75)-2013-United States	United States	2013	G2b	Vlasova et al. (2014)
46	KX683006-2b-(PC22A)-2014-United States	United States	2014	G2b	Hou et al. (2017)
47	KJ451047-2b-(KNU-1401)-2014-South Korea	South Korea	2014	G2b	Lee and Lee (2014)
48	LC063827-2b-(MIE-1JPN)-2014-Japan	Japan	2014	G2b	Suzuki et al. (2015)
49	LC063830-2b-(NIG-1JPN)-2014-Japan	Japan	2014	G2b	Suzuki et al. (2015)
50	KX981900-2b-(P1915-NPF)-2015-Thailand	Thailand	2015	G2b	Stott et al. (2017)
51	OQ513993-2b-(G2)-2021-Vietnam	Vietnam	2021	G2b	GenBank

52	KX982575-2b-(VN-K28-TB)-2015-Vietnam	Vietnam	2015	G2b	Diep et al. (2018)
53	KX982577-2b-(VN-Jafa-HB)-2015-Vietnam	Vietnam	2015	G2b	Diep et al. (2018)
54	KX982556-2b-(VN11-HY)-2013-Vietnam	Vietnam	2013	G2b	Diep et al. (2018)
55	KX982566-2b-(VN270-VP)-2014-Vietnam	Vietnam	2014	G2b	Diep et al. (2018)
56	KX982553-2b-(VN01-HY)-2013-Vietnam	Vietnam	2013	G2b	Diep et al. (2018)
57	KX982557-2b-(VN12-HY)-2013-Vietnam	Vietnam	2013	G2b	Diep et al. (2018)
58	KX982572-2b-(VN385-TB)-2014-Vietnam	Vietnam	2014	G2b	Diep et al. (2018)
59	KU975405-2cI-(CH-SCAY)-2014-China	China	2014	G2cI	Tian et al. (2021)
60	MF375374-2cI-(CH-JXJA)-2017-China	China	2017	G2cI	Tian et al. (2021)
61	MH053412-2cI-(CH-SCMZ)-2017-China	China	2017	G2cI	Tian et al. (2021)
62	MH593151-2cI-(CH-SCXH)-2018-China	China	2018	G2cI	Tian et al. (2021)
63	KU237214-2cII-(DF1)-2014-China	China	2014	G2cII	Tian et al. (2021)
64	KU975409-2cII-(CH-SCJT)-2015-China	China	2015	G2cII	Tian et al. (2021)
65	MH053414-2cII-(CH-SCZJ)-2017-China	China	2017	G2cII	Tian et al. (2021)
66	MH061342-2cII-(CH-SCZJJ)-2018-China	China	2017	G2cII	Tian et al. (2021)
67	KU975419-2cIII-(CH-SCXC2)-2015-China	China	2015	G2cIII	Tian et al. (2021)
68	KY775049-2cIII-(HBHG6)-2016-China	China	2016	G2cIII	Tian et al. (2021)
69	MH053416-2cIII-(CH-SCQX1)-2017-China	China	2017	G2cIII	Tian et al. (2021)
70	KC210145-2cIV-(AH2012)-2012-China	China	2012	G2cIV	Tian et al. (2021)
71	KM406179-2cIV-(MY1402)-2014-China	China	2014	G2cIV	Tian et al. (2021)
72	KU975406-2cIV-(CH-SCCD)-2014-China	China	2014	G2cIV	Tian et al. (2021)
73	KU975412-2cIV-(CH-SCMY3)-2014-China	China	2014	G2cIV	Tian et al. (2021)
74	OQ122084-2c-(JSYC)-2021-China	China	2021	G2cV	Yang et al. (2024)
75	OQ122104-2c-(GZFY)-2021-China	China	2021	G2cV	Yang et al. (2024)
76	OQ122116-2c-(SDJN)-2021-China	China	2021	G2cV	GenBank
77	OL762459-2c-(SD2021)-2021-China	China	2021	G2cV	GenBank
78	OL361788-2c--(JSXC)-2021-China	China	2021	G2cV	GenBank
79	OQ122089-2c-(SDLY)-2022-China	China	2022	G2cV	Yang et al. (2024)

Note: The G1c classification for the S-INDEL strains was followed by Tian et al. (2021) and G2cI, II, III, IV, and V by Tian et al. (2021) and Yang et al. (2024).

Further references for reading (SupplementaryTable S1)

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