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**Supplementary Materials:**



Table S1. Combination of G and P genotypes.

[illegible]





Table S2. VP7 genotypes.

[illegible]

Table S2. VP7 genotypes reported for each species.

Table S3. VP7 genotypes.

[illegible]





Table S4. VP6 genotypes.

[illegible]



Table S4. Partial Pigs constellations.

[illegible]

CE-M-06-0003	2	27	14	x	x	x	x	x	x	x	x	Canada	[154]
CMP034	2	27	5	x	x	x	x	x	x	9	1	Thailand	[155]
103-P-004-1-0575	3	19	5	x	x	x	x	x	x	x	x	Taiwan	[135]
SCMY	3	13	5	x	x	x	x	x	x	x	x	China; Taiwan	MH320795-MH320797
103-P-003-1-0429	3	13	12	x	x	x	x	x	x	x	x	Taiwan	[135]
P211	4	6	5	x	x	x	x	x	x	x	x	Czech Republic	[156]
CE-M-05-0085	4	6	5	x	x	x	x	x	x	1	x	Canada	[154]
CE-M-05-0091	4	6	5	x	x	x	x	x	x	9	x	Canada	[154]
103-P-004-1-0217	4	13	5	x	x	x	x	x	x	x	x	Taiwan	[135]
CE-M-06-0010	4	13	5	x	x	x	x	x	x	1	x	Canada	[154]
103-P-003-1-1022	4	19	12	x	x	x	x	x	x	x	x	Taiwan	[135]
P70	4	25	1	x	x	x	x	x	x	x	x	Czech Republic	[156]
103-P-001-1-1323	5	23	5	x	x	x	x	x	x	x	x	Taiwan	[135]
CE-M-05-0081	5	27	5	x	x	x	x	x	x	1	x	Canada	[154]
CE-M-06-0005	5	6	5	x	x	x	x	x	x	1	x	Canada	[154]
P245	5	13	5	x	x	x	x	x	x	x	x	Czech Republic; Taiwan	[156]
HP140	6	13	2	x	x	x	x	x	x	1	1	India	[157]
103-P-002-1-0514	9	13	12	x	x	x	x	x	x	x	x	Taiwan	[135]
103-P-001-1-0127	9	13	5	x	x	x	x	x	x	x	x	Taiwan	[135]
LLP48	9	6	1	x	x	x	x	1	x	1	x	China	KJ126815-KJ126825-KJ126820-KJ126830-KJ126835
CE-M-05-0067	9	6	5	x	x	x	x	x	x	1	x	Canada	[154]
1-4	9	19	5	x	x	x	x	1	1	1	1	Taiwan	[135]
P828	9	23	5	x	x	x	x	x	x	1	x	Czech Republic; Taiwan	[156]

	CE-M-06-0007	11	13	5	x	x	x	x	x	x	9	x	Canada; Czech Re- public	[154]
	MRC- DPRU3825	5	x	x	x	x	x	8	1	1/7	1	1	South Africa	KJ753135- KJ753141

Table S4. Partial Pig strains' constellations reported for each hosts. Constellation's genes are coded as G: VP7; P[]: VP4; I: VP6 ;R: VP1;C: VP2;M: VP3;A: NSP4;N: NSP1;T: NSP2;E: NSP3; H: NSP5. Country where it was reported. Reference or NCBI accession number. Colors were arbitrarily defined from 1 - 14, and others are in white.