

**Table S5** The p-distance of VP1 amino acid sequence with EV-G, HY12, and SD-S67

	EV-G16-BS14-173H2																						
19	DakLak VN 2014-VP1	0.34	0.34	0.34	0.34	0.42	0.39	0.39	0.35	0.32	0.44	0.30	0.31	0.28	0.26	0.28	0.27	0.24	0.30				
20	EV-G18-GER F26-2																						
21	23-12-2013-VP1	0.21	0.19	0.20	0.31	0.38	0.34	0.34	0.31	0.25	0.37	0.16	0.36	0.33	0.27	0.26	0.32	0.32	0.33	0.31			
22	EV-G19-GER F8-2 04-02-2013-VP1																						
23	EV-G2-LP 54-VP1	0.29	0.28	0.29	0.31	0.39	0.37	0.36	0.31	0.30	0.40	0.26	0.31	0.26	0.23	0.17	0.24	0.28	0.25	0.29	0.26		
24	EV-G3-swine-K23-2008-HUN-VP1																						
25	EV-G4-wild boar-WBD-2011-HUN-VP1	0.21	0.21	0.21	0.30	0.35	0.34	0.33	0.29	0.23	0.36	0.19	0.36	0.33	0.27	0.30	0.33	0.30	0.32	0.19	0.28		
26	EV-G8-714418																						
27	CaoLanh VN 2012-02-21-VP1	0.36	0.36	0.36	0.39	0.41	0.42	0.41	0.38	0.39	0.44	0.35	0.36	0.24	0.26	0.27	0.28	0.26	0.20	0.31	0.38	0.29	0.37
28	EV-G6-PEV-B-KOR-VP1																						
29	EV-G9-734087																						
30	ThanhBinh VN 2012-03-20-VP1																						
31	SD-S67-VP1																						
32	HY12-VP1																						

Blue: the p-distance between JL-LS34, JL-LS127 and JL-LS165; Orange: the p-distance between NX-DR26 and SD-S68