



Supplementary Fig. S1. ORF7 phylogenetic tree of the new Belarusian and Polish sequences generated in the present study, together with reference sequences representing the most diverse EU genotype PRRSVs from GenBank. The bootstrap values adjacent to the main nodes represent the number of 1000 trees that supported the clustering.

Supplementary Table S1. Belarusian and Polish herds from which sequences were obtained

All the herds were considered chronically PRRSV-infected at the time of sampling. All of the PRRSV sequences derived from these herds were of the EU genotype. Sampling date is given in the format yy-mm-dd, or yy-mm where the exact day is not known. The Sid, Aus, Bor and Sno herds had trade links (replacement animals and semen).

Herd ID	Country, region, sampling date	Herd description	EU PRRSV subtype
Bel	Belarus, Brest, 04-08-16	9000 sows, Belarusian replacement gilts, PRRS diagnosed in 2002, vaccination with Porcilis PRRS had been used. Pig breeds: Belarusian Large White, Landrace.	3/2
Bor	Belarus, Minsk, 04-08-16	10 000 sows, consolidated from 30 smaller herds, Belarusian replacement gilts, PRRS diagnosed in 2000, inactivated vaccine Narvac PRRS+PPV applied. Pig breeds: Belarusian Large White, Belarusian miasna.	2
Obu	Belarus, Grodno, 05-02-22	2500 sows, replacement gilts from Belarus, boars from Germany. Pig breeds: Belarusian Large White, Landrace, Duroc.	3
Okt	Belarus, Grodno, 04-03-24	2500 sows, replacement gilts from Belarus, boars from Lithuania, Poland, Germany. Pig breeds: Belarusian Large White, Landrace, Duroc.	4
Sno	Belarus, Minsk, 04-08-16	2800 sows, Belarusian replacement gilts, semen imported from Lithuania, PRRS diagnosed in 2000, replacement gilts vaccinated with Porcilis. Pig breeds: Belarusian Large White, Landrace.	2
Soz	Belarus, Gomel, 04-03-24 and 04-07-01	8000 sows, Belarusian replacement gilts, PRRS diagnosed in 2000, inactivated vaccine Narvac PRRS+PPV applied. Pig breeds: Belarusian Large White, Belarusian miasna, Landrace.	3
Vas	Belarus, Grodno, 05-04-07	4500 sows, replacement gilts from Belarus and Lithuania, boars from Lithuania, Germany, Poland. Pig breeds: Belarusian Large White, Landrace.	2
Vos	Belarus, Mogilev, 04-11	3000 sows, Belarusian replacement gilts and boars, PRRS diagnosed in 2000. Pig breeds: Belarusian Large White, Belarusian miasna, Landrace.	3
Yuz	Belarus, Gomel, 04-03-24	3000 sows, replacement gilts from Belarus. Pig breeds: Belarusian Large White, Belarusian miasna, Landrace.	3
Zad	Belarus, Vitebsk, 04-10-26	5000 sows, nucleus herd, PRRS suspected since the beginning of 1990s, confirmed in 1997–1998, Porcilis PRRS had been used. Pig breeds: Belarusian Large White, Landrace.	3
Zap	Belarus, Brest, 04-03-24	7000 sows, replacement gilts from Lithuania, boars from Belarus, Lithuania and Poland, high mortality at nursery, respiratory problems at 60–80 days old. Pig breeds: Belarusian Large White, Belarusian miasna, Landrace.	3
Aus	Lithuania, Šiauliai, 00-12	5000 sows, PRRSV since 1998, mass abortions in imported gilts.	2
Sid	Lithuania, Šiauliai, 00-12	5000 sows, PRRSV since 1998, mass abortions in imported gilts, vaccination with Ingelvac PRRS MLV had been applied, vaccine-related virus co-circulated in the herd after that.	2
Che	Poland, Warmia-Mazury, 05-04-15	600 sows, Polish replacement gilts and boars, PRRS since late 1990s. Pig breeds: Polish Large White, Polish Landrace, Duroc.	1
Dzi	Poland, Podlasie, 05-04-20	200 sows, Polish replacement gilts and boars, PRRS since late 1990s. Pig breeds: hybrid line from Pen Ar Lan, France.	1

Herd ID	Country, region, sampling date	Herd description	EU PRRSV subtype
Prz	Poland, Podlasie, 05-04-18	700 sows, Polish replacement gilts and boars, PRRS since late 1990s. Pig breeds: hybrid lines from Pig Improvement Company (PIC), UK and Pen Ar Lan, France.	1
Sok	Poland, Wielkopolska, 04-08-09 and 04-08-24	250 sows, PRRSV since 1999 probably after infected gilts purchase, at the beginning reproductive form, later chronic respiratory disease. Pig breeds: Polish Large White, Polish Landrace, Duroc, Pietrain.	1
Upa	Poland, Warmia-Mazury, 05-04-11	670 sows, very mild PRRSV since 2000, Ingelvac PRRS MLV vaccine applied December 2000–June 2001, vaccine-related strain co-circulates since then, replacement gilts acclimatized (naturally infected) before breeding. Pig breeds: hybrid line from PIC, UK.	1

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