

Supplemental Table S1. Number of CT-positive patients among random cohort of patients from different Regions of the Republic of Belarus tested in PCR.

Region	Number of patients tested (n)						Number of CT-positive patients in PCR* (n)					
	Total		Male		Female		Total		Male		Female	
	Abs.	%	Abs.	%	Abs.	%	Abs.	%	Abs.	%	Abs.	%
Brest Region	340	30,9	74	21,8	266	78,2	29	8,5	2	2,7	27	10,4
Minsk Region	210	19,1	49	23,3	161	76,7	10	4,8	1	2,1	9	5,6
Mogilev Region	95	8,7	22	23,2	73	76,8	6	6,3	0	0	6	8,2
Grodno Region	76	6,9	21	27,6	55	72,4	5	6,6	3	14,3	2	3,6
Vitebsk Region	94	8,6	23	24,5	71	75,5	5	5,3	1	4,3	4	5,6
Gomel Region	136	12,4	28	20,6	108	79,4	3	2,2	0	0	3	2,8
Minsk City	147	13,4	34	23,1	113	76,9	5	3,4	0	0	5	4,4
Total	1098	100	251	22,9	847	77,1	63	5,7	7	2,8	56	6,6

* AmpliSens® Chlamydia trachomatis-FRT PCR kits (Central Research Institute of Epidemiology, Moscow, Russia) were used for real-time PCR with DNA isolated from clinical specimens of chlamydia patients as described [4].

Supplemental Table S2. List of the *C. trachomatis* strains available in PubMLST database and used in this study.

Id	Isolate	Country	Region	Year	Gender	Age	Manifestations* ST	ST	gat A	opp A	hfl X	gid A	eno A	hem N	fum C	Reference / Source
446 4	Belarus/5-38	Republic of Belarus	Brest Region	201 8	female	34	-	27 1	3	1	1	5	4	2	3	This study
446 5	Belarus/6-12	Republic of Belarus	Minsk Region	201 7	male	41	-	27 1	3	1	1	5	4	2	3	This study
446 6	Belarus/327-38	Republic of Belarus	Brest Region	201 8	female	31	-	27 2	3	3	1	2	4	2	3	This study
446 7	Belarus/37/2-38	Republic of Belarus	Brest Region	201 8	female	21	-	27 3	3	1	2	5	3	2	3	This study
446 8	Belarus/57/2-38	Republic of Belarus	Brest Region	201 8	female	25	-	27 4	3	4	1	5	4	2	3	This study
446	Belarus/447-55	Republic of	Minsk Region	201	female	28	+	27	3	3	2	4	4	2	3	This

9		Belarus		8				5								study
447		Republic of	Mogilev	201			+									This
0	Belarus/3-20	Belarus	Region	7	female	31		38	3	1	2	2	4	2	3	study
447		Republic of		201			+									This
1	Belarus/5-44	Belarus	Vitebsk Region	7	male	24		38	3	1	2	2	4	2	3	study
447		Republic of		201			-									This
2	Belarus/23-38	Belarus	Brest Region	8	female	27		38	3	1	2	2	4	2	3	study
447		Republic of	Mogilev	201			+									This
3	Belarus/17-40	Belarus	Region	8	female	27		4	3	1	1	2	4	2	3	study
447		Republic of		201			+									This
4	Belarus/257-38	Belarus	Brest Region	8	male	20		4	3	1	1	2	4	2	3	study
447		Republic of		201			+									This
5	Belarus/67-38	Belarus	Brest Region	7	female	22		4	3	1	1	2	4	2	3	study
447		Republic of		201			-									This
6	Belarus/586-75	Belarus	Minsk Region	8	female	22		4	3	1	1	2	4	2	3	study
447		Republic of	Mogilev	201			+									This
7	Belarus/8936-48	Belarus	Region	8	female	34		4	3	1	1	2	4	2	3	study
447		Republic of		201			+									This
8	Belarus/4-78	Belarus	Minsk City	8	female	21		4	3	1	1	2	4	2	3	study
447		Republic of		201			-									This
9	Belarus/8-38	Belarus	Brest Region	8	female	27		4	3	1	1	2	4	2	3	study
448		Republic of		201			-									This
0	Belarus/46/1-38	Belarus	Brest Region	8	female	35		4	3	1	1	2	4	2	3	study
448		Republic of		201			-									This
1	Belarus/13/1-38	Belarus	Brest Region	8	female	27		4	3	1	1	2	4	2	3	study
448		Republic of		201		N/A	+									This
2	Belarus/191-38	Belarus	Brest Region	8	male	*		4	3	1	1	2	4	2	3	study
448		Republic of		201			+									This
3	Belarus/4-38	Belarus	Brest Region	8	female	20		4	3	1	1	2	4	2	3	study
448		Republic of		201			-									This
4	Belarus/4/2-38	Belarus	Brest Region	7	female	29		4	3	1	1	2	4	2	3	study
448		Republic of		201			+									This
5	Belarus/14-38	Belarus	Brest Region	8	female	21		4	3	1	1	2	4	2	3	study

448	Belarus/45/1-6	Republic of Belarus	Brest Region	2018	female	24	-	4	3	1	1	2	4	2	3	This study
448	Belarus/9983-7	Republic of Belarus	Mogilev Region	2018	female	25	+	4	3	1	1	2	4	2	3	This study
448	Belarus/53-37	Republic of Belarus	Minsk Region	2018	female	22	-	4	3	1	1	2	4	2	3	This study
448	Belarus/7-12	Republic of Belarus	Minsk Region	2017	female	23	+	4	3	1	1	2	4	2	3	This study
449	Belarus/11-72	Republic of Belarus	Vitebsk Region	2018	female	33	+	4	3	1	1	2	4	2	3	This study
449	Belarus/13-72	Republic of Belarus	Vitebsk Region	2018	female	42	+	4	3	1	1	2	4	2	3	This study
449	Belarus/14-72	Republic of Belarus	Vitebsk Region	2018	female	22	+	4	3	1	1	2	4	2	3	This study
449	Belarus/7-80	Republic of Belarus	Vitebsk Region	2018	female	20	+	4	3	1	1	2	4	2	3	This study
449	Belarus/3271	Republic of Belarus	Grodno Region	2018	male	34	+	4	3	1	1	2	4	2	3	This study
449	Belarus/626-75	Republic of Belarus	Minsk Region	2018	female	23	-	4	3	1	1	2	4	2	3	This study
449	Belarus/155-68	Republic of Belarus	Minsk Region	2018	female	22	-	4	3	1	1	2	4	2	3	This study
449	Belarus/8-88	Republic of Belarus	Mogilev Region	2018	female	29	-	4	3	1	1	2	4	2	3	This study
449	Belarus/347-38	Republic of Belarus	Brest Region	2018	female	39	-	4	3	1	1	2	4	2	3	This study
449	Belarus/8-38/2	Republic of Belarus	Brest Region	2018	female	22	-	4	3	1	1	2	4	2	3	This study
450	Belarus/154-38	Republic of Belarus	Brest Region	2017	female	20	+	13	3	3	2	5	3	2	3	This study
450	Belarus/39799	Republic of Belarus	Gomel Region	2017	female	18	-	13	3	3	2	5	3	2	3	This study
450	Belarus/3-38	Republic of Belarus	Brest Region	2017	female	18	+	13	3	3	2	5	3	2	3	This study

2		Belarus		8												study
450	Belarus/54/1-38	Republic of Belarus	Brest Region	2018	female	24	-	13	3	3	2	5	3	2	3	This study
450	Belarus/98-38	Republic of Belarus	Brest Region	2018	female	28	-	13	3	3	2	5	3	2	3	This study
450	Belarus/9-88	Republic of Belarus	Minsk city	2018	female	21	+	13	3	3	2	5	3	2	3	This study
450	Belarus/1268	Republic of Belarus	Minsk Region	2017	female	23	-	13	3	3	2	5	3	2	3	This study
450	Belarus/160-38	Republic of Belarus	Brest Region	2018	female	22	+	13	3	3	2	5	3	2	3	This study
450	Belarus/37-38	Republic of Belarus	Brest Region	2018	female	19	-	13	3	3	2	5	3	2	3	This study
450	Belarus/449	Republic of Belarus	Minsk Region	2017	female	23	+	13	3	3	2	5	3	2	3	This study
451	Belarus/14-10	Republic of Belarus	Minsk city	2017	female	29	+	9	3	3	2	4	3	2	3	This study
451	Belarus/6-28	Republic of Belarus	Grodno Region	2018	female	24	+	9	3	3	2	4	3	2	3	This study
451	Belarus/5-61	Republic of Belarus	Grodno Region	2018	female	24	+	9	3	3	2	4	3	2	3	This study
451	Belarus/7-38	Republic of Belarus	Brest Region	2018	female	25	-	9	3	3	2	4	3	2	3	This study
451	Belarus/50-38	Republic of Belarus	Brest Region	2018	female	25	-	9	3	3	2	4	3	2	3	This study
451	Belarus/43/2-38	Republic of Belarus	Brest Region	2018	female	24	-	9	3	3	2	4	3	2	3	This study
451	Belarus/1/2-38	Republic of Belarus	Brest Region	2017	female	40	-	9	3	3	2	4	3	2	3	This study
451	Belarus/5-29	Republic of Belarus	Grodno Region	2018	male	23	+	9	3	3	2	4	3	2	3	This study
451	Belarus/40-38	Republic of Belarus	Brest Region	2018	female	29	-	9	3	3	2	4	3	2	3	This study

451		Republic of		201			+									This
9	Belarus/8-12	Belarus	Minsk Region	7	female	23		9	3	3	2	4	3	2	3	study
452		Republic of	Grodno	201			+									This
0	Belarus/737	Belarus	Region	8	male	35		9	3	3	2	4	3	2	3	study
452		Republic of	Mogilev	201			+									This
1	Belarus/7-20	Belarus	Region	7	female	27		6	3	3	2	5	3	1	3	study
452		Republic of		201			-									This
2	Belarus/1552	Belarus	Gomel Region	8	female	24		6	3	3	2	5	3	1	3	study
452		Republic of		201			-									This
3	Belarus/4610	Belarus	Gomel Region	8	female	24		6	3	3	2	5	3	1	3	study
452		Republic of		201			+									This
4	Belarus/14-88	Belarus	Minsk city	8	female	22		6	3	3	2	5	3	1	3	study
452		Republic of		201			+									This
5	Belarus/9-78	Belarus	Minsk city	8	female	30		95	3	3	28	5	3	2	3	study
452		Republic of		201			-	11								This
6	Belarus/10-38	Belarus	Brest Region	8	female	20		0	3	1	1	2	3	2	3	study
				200			N/A									
240	F/SW5	Sweden	N/A	2	female	N/A		38	3	1	2	2	4	2	3	[36]
7	D/IC-Cal-8	N/A	N/A	N/A	N/A	N/A	N/A	4	3	1	1	2	4	2	3	[3]
				196			N/A									
215	D/UW-3/CX	USA	Seattle	5	female	N/A		13	3	3	2	5	3	2	3	[3, 36, 37]
17	J/UW-36	N/A	N/A	N/A	N/A	N/A	N/A	9	3	3	2	4	3	2	3	[3]
				197			N/A									
14	K/UW-31	USA	Washington	3	female	N/A		6	3	3	2	5	3	1	3	[3]
				200			N/A									
567	G_Soton57	UK	N/A	9	female	N/A		95	3	3	28	5	3	2	3	[38]
				201			N/A	11								
646	F_S4410	Sweden	N/A	0	female	N/A		0	3	1	1	2	3	2	3	[38]

* N/A - Not Available. Changed alleles in the Belarus CT strains in comparison with the relevant ancestors are marked in red. ** - Presence symptoms of typical complaints for genital chlamydial infection [33] or absence (the asymptomatic chlamydia patient).

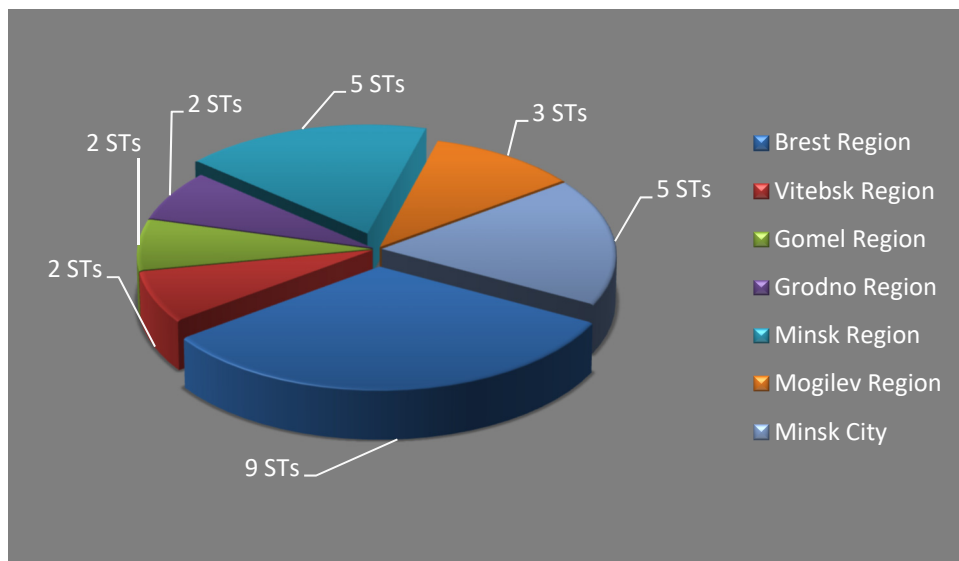


Figure S1. The number of CT STs identified with MLST in seven main Regions of the Republic of Belarus in 2017-2018.

