

Table S1. The detailed characterization of European bison (*Bison bonasus*) from which *Trueperella pyogenes* was isolated in this study.

Year of studying	Animal designation	Sex	Age	Location*	Type of herd	Condition	Collected samples	<i>Trueperella pyogenes</i> isolate (from)
2011	L555	M	18 years	BPF	free-living	dead**	foreskin swab	1/2011 (foreskin swab)
	893/F	F	5.5 years	BPF	free-living	dead	lung swab, vaginal swab, skin abscess swab, lymph node abscess swab	2/2011 (skin abscess swab)
	1/BPF	M	unknown	BPF	free-living	dead	foreskin swab	3/2011 (foreskin swab)
2012	2/BPF	M	unknown	BPF	free-living	alive	skin abscess swab	4/2012 (skin abscess swab)
	908	F	unknown	BPF	free-living	dead	salivary gland abscess swab	1_nt*** (salivary gland abscess swab)
	914	M	6 years	BPF	free-living	dead	foreskin swab, tracheal abscess swab	5/2012 (tracheal abscess swab)
	„Plesar“	M	unknown	P	captive	dead	internal organs, lung abscess swab	6/2012 (lung abscess swab)
	918	M	2.5 years	BPF	free-living	dead	foreskin swab	2_nt (foreskin swab)
	919	F	22 years	BPF	free-living	dead	lung swab, vaginal swab, tracheal swab	7/2012 (tracheal swab)
	920	M	4-5 months	BPF	free-living	dead	foreskin swab, lung swab	8/2012 (lung swab)
	921	F	unknown	BPF	free-living	dead	vaginal swab, lung swab	9/2012 (vaginal swab)
	922	M	5 years	BPF	free-living	dead	foreskin swab, tracheal swab, urethral swab	10/2013 (foreskin swab)
	923	F	6 years	BPF	free-living	dead	vaginal swab, cervical swab	11/2013 (vaginal swab)
2013	925	F	5-6 months	BPF	free-living	dead	vaginal swab, hoof abscess swab	12/2013 (hoof abscess swab)
	926	M	3 years	BPF	free-living	dead	foreskin swab, lymph node	13/2013 (foreskin swab)
	927	M	2.5 years	BPF	free-living	dead	foreskin swab	14/2013 (foreskin swab)
	932	M	unknown	BPF	free-living	dead	foreskin swab, lung swab	3_nt (foreskin swab)
	935	M	unknown	BPF	free-living	dead	foreskin swab	4_nt (foreskin swab)
	1/BF	M	unknown	BF	free-living	dead	foreskin swab, lymph node, gut	5_nt (foreskin swab), 6_nt (lymph node)
	942/M	M	unknown	BPF	free-living	dead	foreskin swab, skin swab, skin slice, uterine contents	15/2014 (skin swab)
2014	944/M	M	unknown	BPF	free-living	dead	foreskin swab	16/2014 (foreskin swab)

2018	945/M	M	unknown	BPF	free-living	dead	foreskin swab	17/2014 (foreskin swab)
	947/F	F	unknown	BPF	free-living	dead	liver, labia minora swab	7_nt (liver)
	1/KF	F	unknown	KF	free-living	dead	uterus pus	18/2018 (uterus pus)
	2/KF	F	2.5-3 years	KF	free-living	alive	nasal swab, conjunctival swab, pus from a vagina	19/2018 (vaginal pus)
	L-1302	M	unknown	KF	free-living	alive	nasal swab, conjunctival swab, foreskin swab	8_nt (foreskin swab)
	L-1304	F	unknown	KF	free-living	alive	nasal swab, conjunctival swab, vaginal swab, vaginal mucus	20/2018 (vaginal mucus)
	L-1320	F	unknown	KF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	21/2018 (nasal swab)
	L-1323	F	unknown	BF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	22/2018 (vaginal swab)
	L-1324	F	unknown	BF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	9_nt (vaginal mucus)
	L-986	M	unknown	BF	free-living	alive	nasal swab, conjunctival swab, foreskin swab	10_nt (foreskin swab)
	L-1331	F	unknown	KF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	23/2018 (vaginal swab)
	L-1339	M	unknown	KF	free-living	alive	nasal swab conjunctival swab, foreskin swab	24/2018 (foreskin swab)
	L-1347	M	unknown	B	captive	alive	nasal swab, conjunctival swab, foreskin swab	11_nt (foreskin swab)
	L-1358	F	unknown	P	captive	alive	nasal swab, conjunctival swab, vaginal swab	25/2018 (vaginal swab)
	L-1372	M	unknown	U	captive	alive	nasal swab, conjunctival swab, foreskin swab	26/2018 (nasal swab), 27/2018 (foreskin swab)
2019	L-1536	F	15 years	BPF	free-living	dead	nasal swab, conjunctival swab, vaginal swab, lung pus, pleural fluid, pericardial fluid	12_nt (pericardial fluid), 13_nt (lung pus)
	L-1556	M	12 years	BPF	free-living	dead	nasal swab, conjunctival swab, pleural fluid, foreskin swab	28/2019 (foreskin swab)
	KB792	M	1 year	BM	captive	alive	nasal swab, conjunctival swab, foreskin swab	29/2019 (foreskin swab)

	KB796	M	1 year	BM	captive	alive	nasal swab, conjunctival swab, foreskin swab	30/2019 (foreskin swab)
	KB797	M	1 year	BM	captive	alive	nasal swab, conjunctival swab, foreskin swab	31/2019 (foreskin swab)
	L-1570	F	19 years	BPF	free-living	dead	nasal swab, conjunctival swab, vaginal swab, lung pus, tracheal abscess swab	32/2019 (lung pus)
2020	L-1575	F	17 years	BPF	free-living	dead	nasal swab, conjunctival swab, vaginal swab, lung pus, pericardial fluid	33/2020 (nasal swab), 34/2020 (lung pus)
	L-1668	F	unknown	BPF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	35/2020 (vaginal swab)
	L-1669	F	unknown	BPF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	36/2020 (nasal swab)
	L-1672	F	unknown	BPF	free-living	alive	nasal swab, conjunctival swab, vaginal swab	37/2020 (vaginal swab)
2021	18-201	F	unknown	BPF	free-living	dead	internal organs, lung pus	38/2021 (lung pus)
	L-1758	F	8 years	KF	free-living	dead	lung pus	39/2021 (lung pus)

*BPF – Białowieska Primeval Forest, KF – Knyszyńska Forest, BF – Borecka Forest, P – Pszczyna, U – Ustroń, B – Bałtów, BM – Bieszczady Mountains

** - „dead” – selectively culled for health reasons

***nt- an isolate not stored and not tested in the study