

Table S1. Epidemiological data of West Nile virus with full genome sequences (except for 1 human sample), their corresponding accession numbers and sequencing protocol performed.

Accession Number	Virus identifier	Library number	Host common name	Host scientific name	City	Region	Sequencing Protocol
LR743437	ED-I-90_18	lib02896	Great Grey Owl	<i>Strix nebulosa</i>	Poing	Bavaria	Direct NGS
LR743434	ED-I-114_18	lib02898	Great Grey Owl	<i>Strix nebulosa</i>	Poing	Bavaria	Direct NGS
LR743433	ED-I-82_18	lib02914	Goshawk	<i>Accipiter gentilis</i>	Klein Weissandt	Saxony-Anhalt	Direct NGS
LR743429	ED-I-142_18	lib02916	Tawny Owl	<i>Strix aluco</i>	Bad Lauchstaedt	Saxony-Anhalt	Direct NGS
LR743436	ED-I-89_18	lib02959	Goshawk	<i>Accipiter gentilis</i>	Bad Döben	Saxony	Direct NGS
LR743443	ED-I-107-18	lib03041	Snowy Owl	<i>Bubo scandiacus</i>	Berlin	Berlin	Direct NGS
LR743425	ED-I-62_19	lib03378	Snowy Owl	<i>Bubo scandiacus</i>	Friedrichsfelde Lutherstadt Wittenberg	Saxony Anhalt	Direct NGS
LR743444	ED-I-83_19	lib03379	Great Grey Owl	<i>Strix nebulosa</i>	Lutherstadt Wittenberg	Saxony Anhalt	Direct NGS
LR743424	ED-I-85_19	lib03380	Snowy Owl	<i>Bubo scandiacus</i>	Berlin	Berlin	Direct NGS
LR743442	ED-I-87_19	lib03381	Blue Tit	<i>Parus caeruleus</i>	Halle (Saale)	Saxony-Anhalt	Direct NGS
LR743428	ED-I-118_19	lib03382	Snowy Owl	<i>Bubo scandiacus</i>	Berlin	Berlin	Direct NGS
LR743426	ED-I-157_19	lib03415	Snowy Owl	<i>Bubo scandiacus</i>	Friedrichsfelde	Berlin	Direct NGS
LR743432	ED-I-158_19	lib03416	Andean Flamingo	<i>Phoenicoparrus andinus</i>	Berlin	Berlin	Direct NGS
LR743427	ED-I-148_19	lib03417	Goshawk	<i>Accipiter gentilis</i>	Berlin	Berlin	Direct NGS
LR743423	ED-I-156_19	lib03418	Goshawk	<i>Accipiter gentilis</i>	Berlin	Berlin	Direct NGS
LR743435	ED-I-153_19	lib03419	Goshawk	<i>Accipiter gentilis</i>	Friedrichsfelde Brieselang	Brandenburg	Direct NGS
LR743422	ED-I-155_19	lib03420	Goshawk	<i>Accipiter gentilis</i>	Neuruppin	Brandenburg	Direct NGS
LR743430	ED-I-89_19	lib03421	Blue Tit	<i>Parus caeruleus</i>	Radebeul	Saxony	Direct NGS
LR743421	ED-I-139_19	lib03422	Great Tit	<i>Parus major</i>	Dresden	Saxony	Direct NGS
LR743431	ED-I-177_19	lib03423	Eurasian Golden Plover	<i>Pluvialis apricaria</i>	Kamenz/Biehla	Saxony	Direct NGS
LR743449	ED-I-163_19	lib03424	Goshawk	<i>Accipiter gentilis</i>	Sandersdorf	Saxony-Anhalt	Direct NGS
LR743458	ED-I-164_19	lib03425	Snowy Owl	<i>Bubo scandiacus</i>	Magdeburg	Saxony-Anhalt	Direct NGS
LR743451	ED-I-165_19	lib03426	Snowy Owl	<i>Bubo scandiacus</i>	Magdeburg	Saxony-Anhalt	Direct NGS
LR743446	ED-I-109_19	lib03427	Coconut Lorikeet	<i>Trichoglossus haematodus</i>	Halle (Saale)	Saxony-Anhalt	Direct NGS
LR743456	ED-I-134_19	lib03428	House Sparrow	<i>Passer domesticus</i>	Rackwitz	Saxony	Direct NGS
LR743445	ED-I-172_19	lib03430	Great Grey Owl	<i>Strix nebulosa</i>	Chemnitz	Saxony	Direct NGS
LR743452	ED-I-173_19	lib03431	Great Grey Owl	<i>Strix nebulosa</i>	Chemnitz	Saxony	Direct NGS
LR743450	ED-I-202_19	lib03432	Chilean Flamingo	<i>Phoenicopterus chilensis</i>	Leipzig	Saxony	Direct NGS
LR743454	ED-I-205_19	lib03433	Great Tit	<i>Parus major</i>	Bad Döben	Saxony	Direct NGS
LR743448	ED-I-201_19	lib03449	Humboldt-Penguin	<i>Spheniscus humboldti</i>	Cottbus	Brandenburg	Direct NGS
LR743457	ED-I-208_19	lib03450	Goshawk	<i>Accipiter gentilis</i>	Merseburg	Saxony-Anhalt	Direct NGS

LR743453	ED-I-94_19	lib03451	Horse	<i>Equus ferus caballus</i>	Krostitz	Saxony	Direct NGS with MyBaits treatment
LR743455	C6_T167_20	lib03481	Mosquito	<i>Culex pipiens</i>	Berlin Friedrichsfelde	Berlin	Direct NGS
LR743447	C6_T167_57	lib03482	Mosquito	<i>Culex pipiens</i>	Berlin Friedrichsfelde	Berlin	Direct NGS
MN794935	BNI-10/19	BNI42493	Human	<i>Homo sapiens</i>	Leipzig	Saxony	Direct NGS
MN794936	BNI-Berlin748	BNI45435	Human	<i>Homo sapiens</i>	Berlin	Berlin	Direct NGS
MN794937	BNI-2635	BNI41487	Blackbird	<i>Turdus merula</i>	Schönebeck	Saxony-Anhalt	Direct NGS
MN794938	BNI-2615	BNI41323	House sparrow	<i>Passer domesticus</i>	Jeßwitz	Saxony-Anhalt	Direct NGS
MN794939	BNI-2432	BNI40119	Dunnock	<i>Prunella modularis</i>	Hamburg	Hamburg	Direct NGS