Koopman J., Kalinowski P., Stech M. & Więcław H. (2019) *Carex ×kneuckeri*, a hybrid new for central Europe and neotypification of this name. – Preslia 91: 161–177.

Electronic Appendix 1. – Specimens included in the molecular analysis

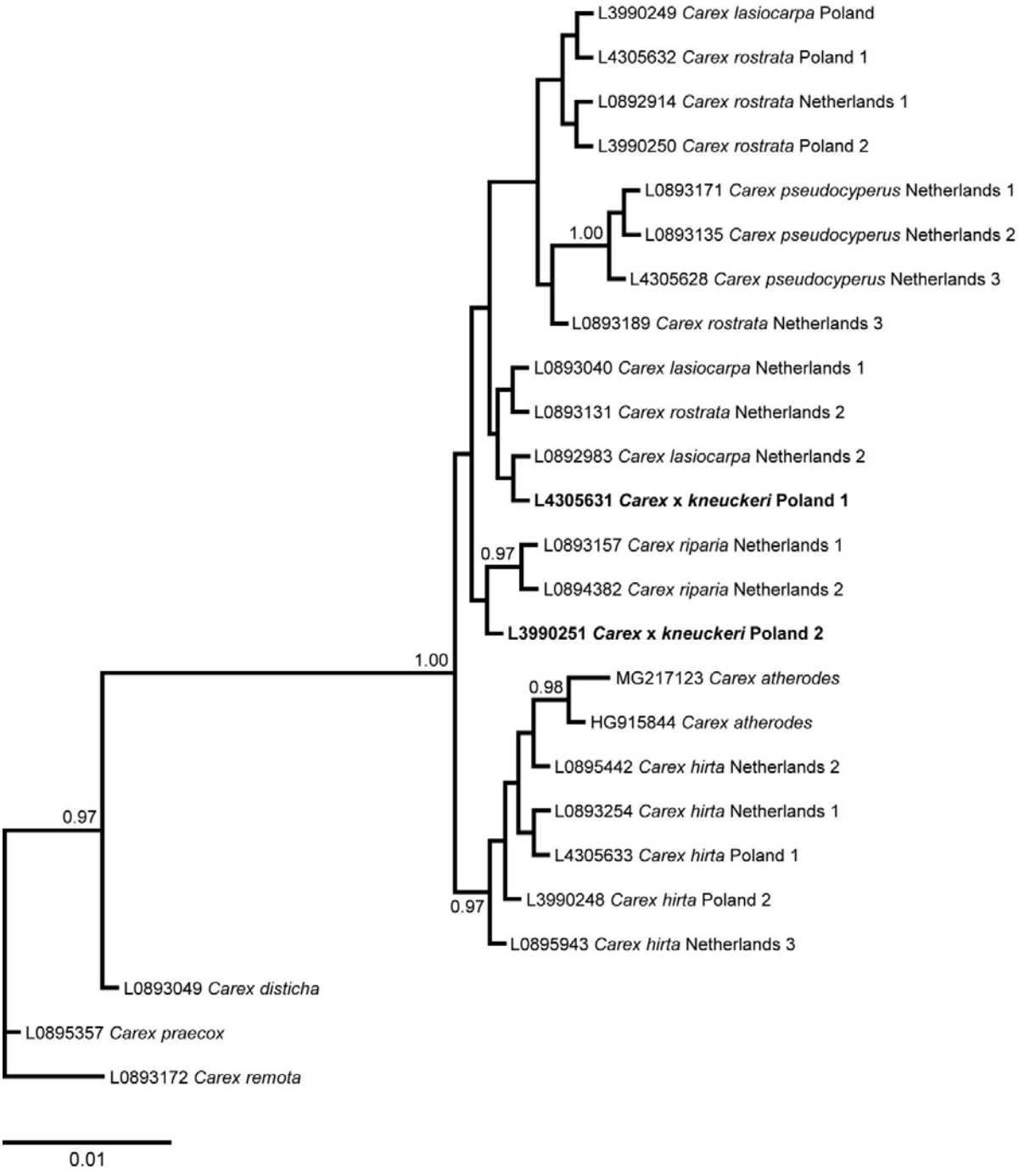
Taxon	Geographic origin	Herbarium no.	Voucher no.	DNA extract no.	BOLD sequence page	GenBank acc. no. *matK*	GenBank acc. no. ITS
Carex atherodes	Canada	?	CCDB-21244-A02	?	--	MG217123	--
Carex atherodes	USA, Alaska	?	Giger s.n.	?	--	HG915844	HG915799
Carex disticha	Netherlands	L0893049	Weeda 115	e25919832	NLFLM184-12	--	--
Carex hirta	Netherlands	L0893254	Weeda s.n.	e25921188	NLFLM319-12	--	--
Carex hirta	Netherlands	L0895442	Buiten s.n.	e4007589523	NLFLM3064-16	--	--
Carex hirta	Netherlands	L0895943	Toetenel s.n.	e4003828069	NLFLM3546-16	--	--
Carex hirta	Poland	L4305633	Kalinowski et al. s.n.	e4012528223	--	MK397942	MK397968
Carex hirta	Poland	L3990248	Więcław et al. s.n.	Ch2	--	MK397935	MK397943
Carex lasiocarpa	Netherlands	L0892983	Weeda 23	e25919964	NLFLM118-12	--	--
Carex lasiocarpa	Netherlands	L0893040	Weeda 106	e25919928	NLFLM175-12	--	--
Carex lasiocarpa	Poland	L3990249	Więcław et al. s.n.	Cl2	--	MK397936	MK397944
Carex praecox	Netherlands	L0895357	van Beusekom s.n.	e4007589464	NLFLM2984-16	--	--
Carex pseudocyperus	Netherlands	L0893135	Weeda s.n.	e25919874	NLFLM200-12	--	--
Carex pseudocyperus	Netherlands	L0893171	Weeda s.n.	e25918203	NLFLM236-12	--	--
Carex pseudocyperus	Netherlands	L4305628	Waller s.n.	e4012528218	--	MK397939	MK397957
Carex remota	Netherlands	L0893172	Weeda s.n.	e25919917	NLFLM237-12	--	--
Carex riparia	Netherlands	L0893157	Weeda s.n.	e25921174	NLFLM222-12	--	--
Carex riparia	Netherlands	L0894382	Fortuin s.n.	e4003828030	NLFLM2046-16	--	--
Carex rostrata	Netherlands	L0892914	Weeda 75	e25921235	NLFLM074-12	--	--
Carex rostrata	Netherlands	L0893131	Weeda s.n.	e25919904	NLFLM196-12	--	--
Carex rostrata	Netherlands	L0893189	Weeda s.n.	e25921177	NLFLM254-12	--	--
Carex rostrata	Poland	L4305632	Kalinowski et al. s.n.	e4012528222	--	MK397941	MK397967
Carex rostrata	Poland	L3990250	Więcław et al. s.n.	Cr2	--	MK397937	MK397945
Carex x kneuckeri	Poland	L4305631	Kalinowski et al. s.n.	e4012528221	--	MK397940	MK397958
clone c2						--	MK397959
clone c3						--	MK397960
clone c4						--	MK397961
clone c6						--	MK397962
clone c7						--	MK397963
clone c8						--	MK397964
clone c9						--	MK397965
clone c10						--	MK397966
Carex x kneuckeri	Poland	L3990251	Więcław et al. s.n.	Cxk2	--	MK397938	MK397946

clone c1	--	MK397947
clone c2	--	MK397948
clone c3	--	MK397949
clone c4	--	MK397950
clone c5	--	MK397951
clone c6	--	MK397952
clone c7	--	MK397953
clone c8	--	MK397954
clone c9	--	MK397955
clone c10	--	MK397956

Electronic Appendix 2. – Relevés with *Carex ×kneuckeri* (SE Poland, Lubelskie Province, county and municipality of Chełm, west of the village Nowosiółki)

Date	1 July 2016	17 June 2017
Area (m^2)	25	25
Water level (cm)	15-20	-
Cover of moss layer (%)	70	90
Cover of herb layer (%)	40	90
Number of species	21	29
Carex ×kneuckeri	2	3
Molinio-Arrhenathetetea		
Juncus inflexus	1	1
Equisetum palustre	+	2
Caltha palustris	1	+
Cardamine pratensis	+	2
Carex cespitosa		1
Ranunculus repens	+	+
Rumex crispus	+	r
Agrostis stolonifera	+	+
Ranunculus acris	+	
Carex hirta	+	+
Epilobium hirsutum		+
Lysimachia vulgaris		+
Myosotis palustris		+
Festuca rubra		r
Potentilla anserina		r
Lychnis flos-cuculi		r
Phragmito-Magnocaricetea		
Equisetum fluviatile	+	1
Carex acuta	2	
Carex rostrata	+	1
Lycopus europaeus	+	+
Lythrum salicaria	+	+
Alisma plantago-aquatica	+	
Eleocharis uniglumis	+	
Mentha aquatica		+
Poa palustris		+
Carex pseudocyperus		r
Galium palustre		r
Scheuchzerio palustris-Caricetea fuscae		
Carex nigra		2
Epilobium palustre	+	+
Juncus articulatus	+	r
Alnetea glutinosae		
Calliergonella cuspidata	4	5
Lemnetea		
Lemna minor	+	
Franguletea		
Salix cinerea		r

Electronic Appendix 3. – The consensus tree of the Bayesian analyses – *mat*K.



Electronic Appendix 4. – The consensus tree of the Bayesian analyses – ITS.