

***Daphnia* diversity in water bodies of the Po River Basin**

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Supplementary Tab. 1. Individuals of *Daphnia* species included in mitochondrial phylogenies of this study.

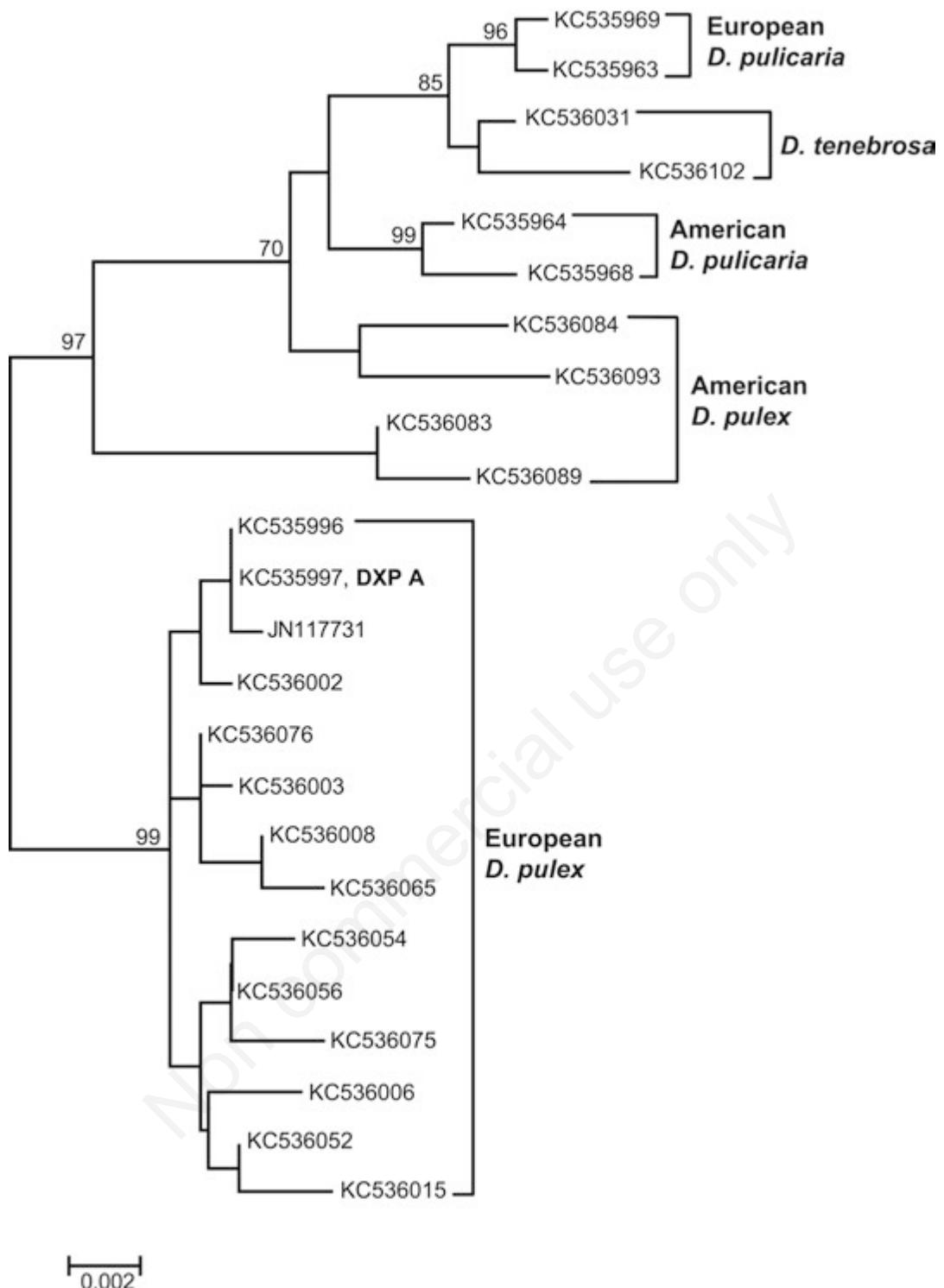
Code	12S rRNA GenBank Accession	ND5 GenBank Accession	Species	Locality	Reference
IT_7_1	KY196426		<i>D. ambigua</i>	Bodrio del Pastore IV, Italy	This study
IT_8_1	KY196425		<i>D. curvirostris</i>	a temporary pond, Italy	This study
IT_8_2	KY196425		<i>D. curvirostris</i>	a temporary pond, Italy	This study
IT_16_1	KY196432		<i>D. curvirostris</i>	a temporary pond, Italy	This study
IT_18_1	KY196425		<i>D. curvirostris</i>	Bodrio Bosco Valloni, Italy	This study
IT_10_1	KY196428		<i>D. curvirostris</i>	Bodrio San Giorgio, Italy	This study
IT_10_2	KY196428		<i>D. curvirostris</i>	Bodrio San Giorgio, Italy	This study
IT_10_3	KY196428		<i>D. curvirostris</i>	Bodrio San Giorgio, Italy	This study
IT_11_1	KY196428		<i>D. curvirostris</i>	Bodrio Bicocca, Italy	This study
IT_28_1	KY196428		<i>D. curvirostris</i>	Bodrio Bicocca, Italy	This study
IT_29_1	KY196428		<i>D. curvirostris</i>	Bodrio Bicocca, Italy	This study
IT_30_1	KY196435		<i>D. curvirostris</i>	Bodrio Isola Pescaroli ovest, Italy	This study
IT_13_4	KY196425		<i>D. curvirostris</i>	Bodrio Sabbie, Italy	This study
IT_2_2	KY196423		<i>D. longispina</i>	Bodrio del Pastore III, Italy	This study
IT_4_1	KY196423		<i>D. longispina</i>	Bodrio del Pastore III, Italy	This study
IT_4_2	KY196423		<i>D. longispina</i>	Bodrio del Pastore III, Italy	This study
IT_5_1	KY196423		<i>D. longispina</i>	Bodrio del Pastore III, Italy	This study
IT_5_2	KY196423		<i>D. longispina</i>	Bodrio del Pastore III, Italy	This study
IT_6_1	KY196424		<i>D. longispina</i>	Bodrio del Pastore I, Italy	This study
IT_6_2	KY196424		<i>D. longispina</i>	Bodrio del Pastore I, Italy	This study
IT_6_3	KY196424		<i>D. longispina</i>	Bodrio del Pastore I, Italy	This study
IT_6_4	KY196424		<i>D. longispina</i>	Bodrio del Pastore I, Italy	This study
IT_15_1	KY196424		<i>D. longispina</i>	Bodrio del Pastore I, Italy	This study
IT_25_1	KY196424		<i>D. longispina</i>	Bosco Piazza, Italy	This study
IT_26_1	KY196424		<i>D. longispina</i>	Bosco Piazza, Italy	This study

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IT_26_2	KY196433		<i>D. n.sp.V</i>	Bosco Piazza, Italy	This study
IT_27_1	KY196434		<i>D. longispina</i>	Vecchio, Italy	This study
IT_13_1	KY196424		<i>D. longispina</i>	Bodrio Sabbie, Italy	This study
IT_13_2	KY196424		<i>D. longispina</i>	Bodrio Sabbie, Italy	This study
IT_13_3	KY196431		<i>D. longispina</i>	Bodrio Sabbie, Italy	This study
IT_31_1	KY196431		<i>D. longispina</i>	Bodrio Sabbie, Italy	This study
IT_9_1	KY196427		<i>D. obtusa</i>	Bodrio Bosco Valloni, Italy	This study
IT_17_1	KY196427		<i>D. obtusa</i>	Bodrio Bosco Valloni, Italy	This study
IT_22_1	KY196427		<i>D. obtusa</i>	Martignana, Italy	This study
IT_23_1	KY196427		<i>D. obtusa</i>	Martignana, Italy	This study
IT_24_1	KY196427		<i>D. obtusa</i>	Martignana, Italy	This study
IT_24_2	KY196427		<i>D. obtusa</i>	Martignana, Italy	This study
IT_12_1	KY196429		<i>D. obtusa</i>	Bodrio Isola Pescaroli ovest, Italy	This study
IT_32_1	KY196430		<i>D. obtusa</i>	Bodrio Sabbie, Italy	This study
Avigl	KY196420		<i>D. pulex</i>	Avigliana, Italy	This study
IT_2_1	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_2_3	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_2_4		KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_3_1	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_3_2	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_3_3		KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_3_4		KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_5_3	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_5_4		KR233296	<i>D. pulex</i>	Bodrio del Pastore III, Italy	This study
IT_14_1	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore I, Italy	This study
IT_14_2		KR233296	<i>D. pulex</i>	Bodrio del Pastore I, Italy	This study
IT_14_3	KY196422	KR233296	<i>D. pulex</i>	Bodrio del Pastore I, Italy	This study

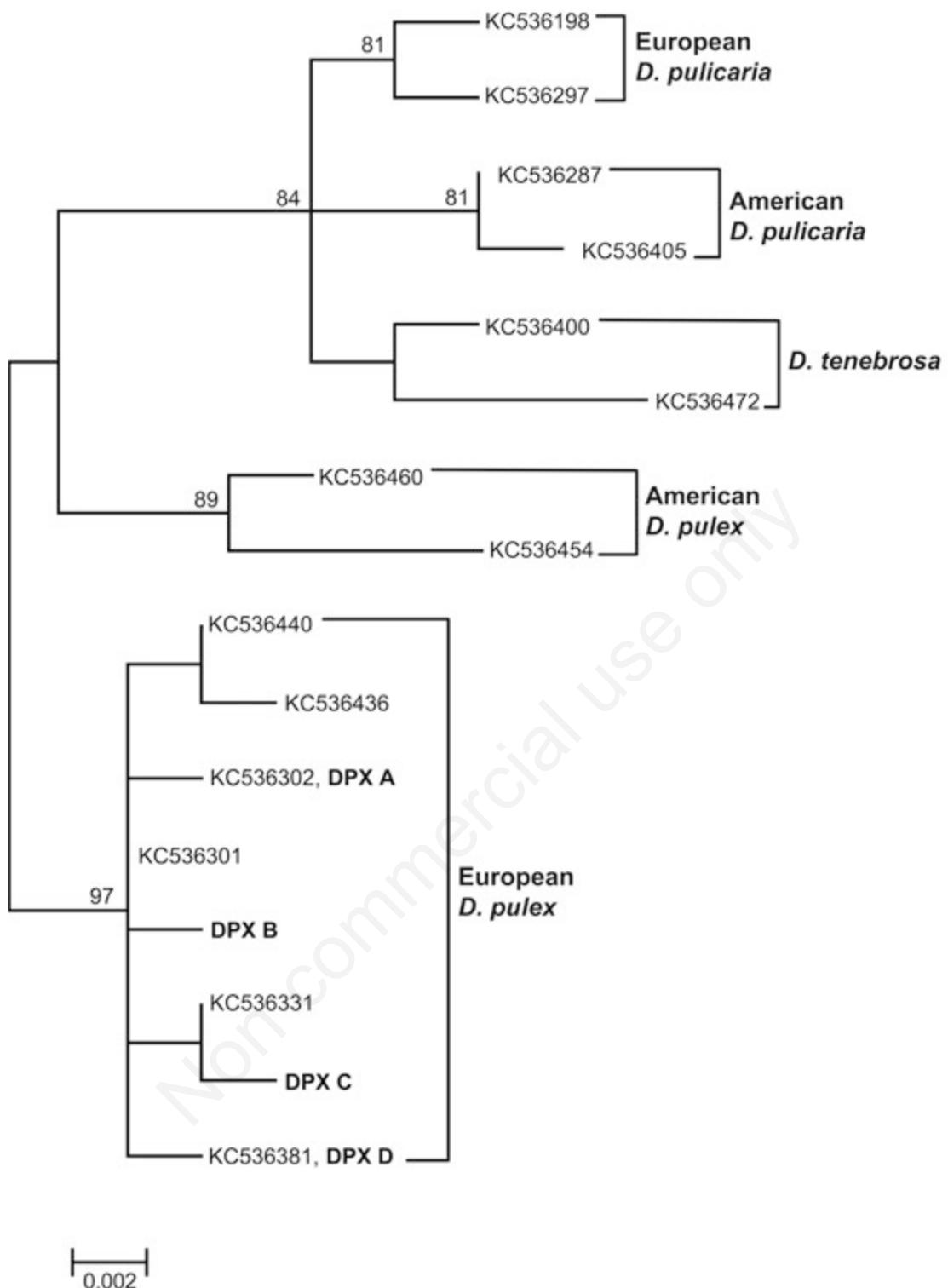
Code	12S rRNA GenBank Accession	ND5 GenBank Accession	Species	Locality	Reference
IT_20_1	KY196422	KR233296	<i>D. pulex</i>	Forche, Italy	This study
IT_21_1	KY196422	KR233296	<i>D. pulex</i>	Forche, Italy	This study
IT_21_2	KY196422		<i>D. pulex</i>	Forche, Italy	This study
PetchD1	KY196421		<i>D. tenebrosa</i>	Petchora Delta, Russia	This study
amb1	AF277283		<i>D. ambigua</i>	Mexico	Schwenk <i>et al.</i> , 2000
	AF523738		<i>D. ambigua</i>	France	Hebert <i>et al.</i> , 2004
OR-a	AF523715		<i>D. ambigua</i>	Oregon, USA	Hebert <i>et al.</i> , 2003
Central_C	AF523723		<i>D. ambigua</i>	Idaho, USA	Hebert <i>et al.</i> , 2003
CA3	AF523730		<i>D. ambigua</i>	California, USA	Hebert <i>et al.</i> , 2003
FL7-b	AF523731		<i>D. ambigua</i>	Florida, USA	Hebert <i>et al.</i> , 2003
MA2	AF523735		<i>D. ambigua</i>	Massachusetts, USA	Hebert <i>et al.</i> , 2003
	AY626353		<i>D. arenata</i>	Oregon, USA	Pento and Crease 2004
CUC1	AF277270		<i>D. cucullata</i>	Czech Republic	Schwenk <i>et al.</i> , 2000
69K	EF375854		<i>D. cucullata</i>	Vestfold, Norway	Petrusek <i>et al.</i> , 2008
curl	AF277280		<i>D. curvirostris</i>	Canada	Schwenk <i>et al.</i> , 2000
T100	EF375851		<i>D. galeata</i>	Friesland, Netherlands	Petrusek <i>et al.</i> , 2008
83A	EF375852		<i>D. galeata</i>	Nord-Trøndelag, Norway	Petrusek <i>et al.</i> , 2008
SNO202	EF375853		<i>D. galeata</i>	Lake Norrviken, Sweden	Petrusek <i>et al.</i> , 2008
ZdL1	JN903666		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL2	JN903667		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL3	JN903668		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL4	JN903669		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL5	JN903670		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL6	JN903671		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL7	JN903672		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL8	JN903673		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013
ZdL9	JN903674		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova <i>et al.</i> , 2013

Code	12S rRNA GenBank Accession	ND5 GenBank Accession	Species	Locality	Reference
Brb1-L5	JN903675		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
Brb1-L9	JN903676		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
Brb2-L2	JN903677		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
Brb2-L4	JN903678		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
Brb2-L5	JN903679		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
Brb2-L6	JN903680		<i>D. longispina</i>	Novosibirsk, Russia	Zuykova et al., 2013
SNO55	JX069352		<i>D. n.sp. II</i>	Sweden	Petrusek et al., 2012
BLBL194	JX069353		<i>D. n.sp. II</i>	Belarus	Petrusek et al., 2012
R14	JX069354		<i>D. n.sp. I</i>	Petchora Delta, Russia	Petrusek et al., 2012
DS20	JX069355		<i>D. n.sp. I</i>	Lithuanna	Petrusek et al., 2012
R17	JX069356		<i>D. n.sp. V</i>	Petchora Delta, Russia	Petrusek et al., 2012
R110	JX069357		<i>D. n.sp. V</i>	Petchora Delta, Russia	Petrusek et al., 2012
CZ-ZE43S2	JX069358		<i>D. n.sp. III</i>	Zelivka Reservoir, Czech Republic	Petrusek et al., 2012
R1x	JX069359		<i>D. n.sp. VI</i>	Petchora Delta, Russia	Petrusek et al., 2012
R166	JX069360		<i>D. n.sp. IV</i>	Irkutsk Reservoir, Russia	Petrusek et al., 2012
R110	JX069361		<i>D. n.sp. IV</i>	Petchora Delta, Russia	Petrusek et al., 2012
H29	EF375829		<i>D. longispina</i>	Lake Constance, Germany	Petrusek et al., 2008
	EF375830		<i>D. longispina</i>	Lake Constance, Germany	Petrusek et al., 2008
	EF375831		<i>D. longispina</i>	Brandenburg, Germany	Petrusek et al., 2008
	EF375836		<i>D. longispina</i>	Zealand, Denmark	Petrusek et al., 2008
	EF375842		<i>D. longispina</i>	Oslo, Norway	Petrusek et al., 2008
	EF375847		<i>D. longispina</i>	Valais, Switzerland	Petrusek et al., 2008
Iwt42a	AB642026		<i>D. n.sp. J1</i>	Japan	Ishida et al., 2011
Iwt42b	AB642027		<i>D. n.sp. J1</i>	Japan	Ishida et al., 2011
Ngn20a	AB642032		<i>D. n.sp. J2</i>	Japan	Ishida et al., 2011
Ngn20b	AB642033		<i>D. n.sp. J2</i>	Japan	Ishida et al., 2011
Nig14	AB642035		<i>D. n.sp. J2</i>	Japan	Ishida et al., 2011

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ChMg2	JN903681		<i>D. magna</i>	Novosibirsk, Russia	Zuykova et al., 2013
ZdMg1	JN903683		<i>D. magna</i>	Novosibirsk, Russia	Zuykova et al., 2013
	FJ427432		<i>D. obtusa</i>	Blatna, Czech Republic	Adamowicz et al., 2009
sp2-EU	FJ427433		<i>D. obtusa</i>	Bohemian Forest, Czech Republic	Adamowicz et al., 2009
sp3-EU	FJ427434		<i>D. obtusa</i>	Flanders, Belgium	Adamowicz et al., 2009
sp4-NA	FJ427435		<i>D. obtusa</i>	Oklahoma, USA	Adamowicz et al., 2009
sp5-NA	FJ427436		<i>D. obtusa</i>	Ohio, USA	Adamowicz et al., 2009
KgDp2	JN903685		<i>D. pulex</i>	Novosibirsk, Russia	Zuykova et al., 2013
PUL2	AF277285		<i>D. pulex</i>	Finland	Schwenk et al., 2000
	AY626352		<i>D. pulex</i>	Ontario, Canada	Pento and Crease 2004
GR1	AY626356		<i>D. pulex</i>	Germany	Pento and Crease 2004
GR2	AY626357		<i>D. pulex</i>	Germany	Pento and Crease 2004
	FJ427446		<i>D. pulex</i>	Basel, Switzerland	Adamowicz et al., 2009
	AY626354		<i>D. pulicaria</i>	Saskatchewan, Canada	Pento and Crease 2004
	AY626355		<i>D. pulicaria</i>	Germany	Pento and Crease 2004
PUCZ1	EU152312		<i>D. pulicaria</i>	Czech Republic	Mergeay et al., 2008
	FJ427448		<i>D. pulicaria</i>	Ontario, Canada	Adamowicz et al., 2009
	FJ427450		<i>D. tenebrosa</i>	Manitoba, Canada	Adamowicz et al., 2009
KgC25	JN903647		<i>D. curvirostris</i>	Novosibirsk, Russia	Zuykova et al., 2013
KgC30	JN903648		<i>D. curvirostris</i>	Novosibirsk, Russia	Zuykova et al., 2013
KgC31	JN903649		<i>D. curvirostris</i>	Novosibirsk, Russia	Zuykova et al., 2013
	EF375859		<i>D. curvirostris</i>	Brandenburg, Germany	Petrusek et al., 2008
CH96	FJ427415		<i>D. curvirostris</i>	Northwest Territories, Canada	Adamowicz et al., 2009
	EF375848		<i>D. n.sp. A</i>	Lake Berse, Norway	Petrusek et al., 2008



Supplementary Fig. 1. Phylogenetic relationships of the *LdhA* haplotypes inferred by maximum likelihood. Statistical support for the major clades is expressed as the percentage bootstrap proportion of 1000 replicates; values greater than 70 are shown.



Supplementary Fig. 2. Phylogenetic relationships of the *Rab4* haplotypes inferred by maximum likelihood. Statistical support for the major clades is expressed as the percentage bootstrap proportion of 1000 replicates; values greater than 70 are shown.