

Appendix 1

Identity	Sequence (Acc. No.)	Hosts	Country	Reference
<i>ITS region</i> (MK172843-MK172847; position: 1554-1924)				
100%	AY349182	Pigeon	Brazil	Kleina et al., 2004, Int J Parasitol, 34(8):963-70
	EF208019	<i>Nesoenas mayeri</i> <i>Streptopelia picturata</i>	Mauritius	Gaspar da Silva et al., 2007 Infect Genet Evol, 7(4):433-40
	EU215369	<i>Patagioenas fasciata</i> <i>Accipiter cooperii</i> <i>Haemorhous mexicanus</i> <i>Zenaida macroura</i> <i>Columba livia</i>	USA	Gerhold et al., 2008, J Parasitol, 94(6):1335-41
	EU290649	<i>Haemorhous mexicanus</i> <i>Aphelocoma californica</i> <i>Corvus brachyrhynchos</i>	USA	Anderson et al., 2009, Vet Parasitol, 161(3-4):178-86
	EU881911	<i>Columba livia</i>	Spain	Sansano-Maestre et al., 2009, Avian Pathol, 38(3):201-7
	EU881913	<i>Tyto alba</i>		
	EU881915	<i>Hieraaetus fasciatus</i>		
	EU881916	<i>Falco tinnunculus</i>		
	FN433476	<i>Columba livia</i>	Austria	Grabensteiner et al., 2010, Vet Parasitol, 172(1-2):53-64
	GQ150752	<i>Chloris chloris</i>	UK	Robinson et al., 2010, PLoS One, 5(8):e12215
	HG008050	<i>Chloris chloris</i>	Austria	Ganas et al., 2014, Parasitology, 141(5):652-61
	JN007005	<i>Melopsittacus undulatus</i>	Austria	Reinmann et al., 2012, Vet Parasitol, 185(2-4):138-44
	JQ755279-JQ755283	Columbids	Australia	unpublished
	JX089398	<i>Streptopelia decaocto</i>	Saint Kitts & Nevis	Ecco et al., 2012, Vet Parasitol, 190(1-2):36-42
	KC215387	<i>Patagioenas fasciata</i>	USA	Girard et al., 2014, Int J Parasitol Parasites Wildl, 3(1):32-40
	KF214772	<i>Spinus tristis</i>	USA	McBurney et al., 2015, Parasitology, 142(8):1053-62
	KF993693	<i>Pica pica</i>	Spain	Martínez-Díaz et al., 2015, Parasitol Res, 114(1):101-12
	KF993694	<i>Streptopelia decaocto</i>		

KF993695	<i>Melospittacus undulatus</i>		
KF993696	<i>Bubo bubo</i>		
KF993697	<i>Falco tinnunculus</i>		
KF993698	<i>Tyto alba</i>		
KF993699	<i>Hieraaetus pennatus</i>		
KF993700	<i>Accipiter gentilis</i>		
KF993701	<i>Buteo buteo</i>		
KF993702	<i>Circus cyaneus</i>		
KF993703	<i>Strix aluco</i>		
KF993704	<i>Asio otus</i>		
KJ721785	<i>Columba livia</i>	China	Jiang et al., 2016, Vet J, 211:88-93
KJ776739	<i>Accipiter nisus</i>	Spain	Martínez-Herrero et al., 2014, Avian Pathol, 43(6):535-46
KJ776741	<i>Falco tinnunculus</i>		
KJ776742	<i>Otus scops</i>		
KM095107-M095108	<i>Accipiter nisus</i>	Czech Republic	Kunca et al., 2015, Folia Parasitol, 62, pii:2015.035
KT003194	<i>Tyto alba</i>	USA	unpublished
KU954107	<i>Columba livia</i>	Poland	Bobrek et al., 2017, Pol J Vet Sci, 20(1):185-187
KX459440-KX459444	<i>Columba oenas</i>	Germany	Marx et al., 2017, Parasit Vectors, 10(1):242
KX514378	<i>Bubo bubo</i>	Spain	Martínez-Herrero et al., 2017, Infect Genet Evol, 55:93-103
KX584000	<i>Serinus canaria</i>	Slovenia	Zadravec et al., 2017, Vet Parasitol, 239:90-93
KX844990- KX844991	<i>Streptopelia decaocto</i>	Malta	Marx et al 2017, Parasit Vectors, 10(1):242
18S <i>ssrRNA</i> gene (MK172843-MK172847; position: 1-1581)			
100%	EU215375	<i>Buteo platypterus</i>	USA Gerhold et al., 2008, J Parasitol, 94(6):1335-41
	FN433484	<i>Melospittacus undulatus</i>	Austria Grabensteiner et al., 2010, Vet Parasitol, 172(1-2):53-64
	HG008106	<i>Chloris chloris</i>	Austria Ganas et al., 2014, Parasitology, 141(5):652-61
	KM095107	<i>Accipiter nisus</i>	Czech Republic Kunca et al., 2015, Folia Parasitol, 62, pii:2015.035
	KM246603	<i>Circus cyaneus</i>	Spain Martínez-Díaz et al., 2015, Parasitol Res, 114(1):101-12
	KM246604	<i>Falco tinnunculus</i>	
	KM246605	<i>Pica pica</i>	
	KM246606	<i>Bubo bubo</i>	

	KU954105	<i>Columba livia</i>	Poland	Bobrek et al., 2017, Pol J Vet Sci, 20(1):185-187
	KX514379	<i>Bubo bubo</i>	Spain	Martínez-Herrero et al., 2017, Infect Genet Evol, 55:93-103
	KX584001	<i>Serinus canaria</i>	Slovenia	Zadravec et al., 2017, Vet Parasitol, 239:90-93
<i>hdg</i> gene (MK172848 to MK172852)				
100%	HG008114	<i>Chloris chloris</i>	Austria	Ganas et al., 2014, Parasitology, 141(5):652-61
	JF681136	<i>Chloris chloris</i>	UK	Lawson et al., 2011, Infect Genet Evol, 11(7):1638-45
	KC244201	<i>Patagioenas fasciata</i>	USA	Girard et al., 2014, Infect Genet Evol, 24:146-56
	KP900023	<i>Accipiter gentilis</i>	Spain	Sansano-Maestre et al., 2016, Res Vet Sci, 107:182-189
	KP900024	<i>Aquila fasciata</i>		
	KP900025	<i>Bubo bubo</i>		
	KP900026	<i>Columba livia</i>		
	KP900027	<i>Falco tinnunculus</i>		
	KP900028	<i>Strix aluco</i>		
	KP900029	<i>Tyto alba</i>		
	KX514380	<i>Bubo bubo</i>		Martínez-Herrero et al., 2017, Infect Genet Evol, 55:93-103
	KX584002	<i>Serinus canaria</i>	Slovenia	Zadravec et al., 2017, Vet Parasitol, 239:90-93
<i>rpb1</i> gene (MK172853 to MK172857)				
100%	HG008113	<i>Chloris chloris</i>	Austria	Ganas et al., 2014, Parasitology, 141(5):652-61
	HM016230	<i>Accipiter cooperii</i>	USA	Malik et al., 2011, PLoS One, 6(6):e20774
	KF233589	<i>Patagioenas fasciata</i>	USA	Girard et al., 2014, Int J Parasitol Parasites Wildl, 3(1):32-40