**Supplementary material – Table S1** Overview of GenBank sequences used in this study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Accession number** | | |
| **18S** | **28S** | **cox1** |
| ***Amidostomum cygni*** | **AJ920353** | **AM039745** | **–** |
| ***Filarinema flagrifer*** | **AJ920354** | **AM039746** | **–** |
| ***Nippostrongylus brasiliensis*** | **AJ920356** | **AM039748** | **–** |
| ***Trichostrongylus colubriformis*** | **AJ920350** | **AM039743** | **–** |
| ***Ostertagia leptospicularis*** | **AJ920351** | **AM039744** | **–** |
| ***Heligmosomoides polygyrus*** | **AJ920355** | **AM039747** | **–** |
| ***Nicollina cameroni*** | **AJ920357** | **AM039749** | **–** |
| ***Herpetostrongylus pythonis*** | **AJ920358** | **AM039750** | **–** |
| ***Tetrabothriostrongylus mackerrasae*** | **AJ920359** | **AM039751** | **–** |
| ***Nematodirus battus*** | **AJ920360** | **AM039752** | **–** |
| ***Kalicephalus cristatus*** | **AJ920349** | **AM039741** | **–** |
| ***Syngamus trachea*** | **AJ920344** | **AM039736** | **–** |
| ***Zoniolaimus mawsonae*** | **AJ920338** | **AM039730** | **–** |
| ***Hypodontus macropi*** | **AJ920339** | **AM039731** | **–** |
| ***Chabertia ovina*** | **AJ920341** | **AM039733** | **–** |
| ***Cyclodontostomum purvisi*** | **AJ920340** | **AM039732** | **–** |
| ***Stephanurus dentatus*** | **AJ920345** | **AM039737** | **–** |
| ***Cylicocyclus insignis*** | **AJ920342** | **AM039734** | **–** |
| ***Petrovinema poculatum*** | **AJ920343** | **AM039735** | **–** |
| ***Deletrocephalus dimidiatus*** | **AJ920346** | **AM039738** | **–** |
| ***Ancylostoma caninum*** | **AJ920347** | **AM039739** | **–** |
| ***Necator americanus*** | **AJ920348** | **AM039740** | **–** |
| ***Metastrongylus elongatus*** | **AJ920363** | **AM039755** | **–** |
| ***Protostrongylus rufesens*** | **AJ920364** | **AM039756** | **–** |
| ***Aelurostrongylus abstrusus*** | **AJ920366** | **AM039759** | **–** |
| ***Ancylostoma caninum*** | **–** | **–** | **FJ483518** |
| ***Ancylostoma caninum*** | **–** | **–** | **NC\_012309** |
| ***Ancylostoma duodenale*** | **–** | **–** | **AJ417718** |
| ***Ancylostoma duodenale*** | **–** | **–** | **AP017676** |
| ***Ancylostoma tubaeformae*** | **–** | **–** | **KY070315** |
| ***Ancylostoma tubaeformae*** | **–** | **–** | **NC\_034289** |
| ***Ancylostoma ceylanicum*** | **–** | **–** | **AP017674** |
| ***Mammomonogamus* sp., gorilla and elephant, CAR** | **KX980409** | **MF668007** | **KX980402–08** |
| ***Mammomonogamus* sp., gorilla, Gabon** | **MF668000** | **MF668007** | **MF668029** |
| ***Mammomonogamus* sp., elephant, Gabon** | **MF667999, MG645004** | **MF668013–4** | **MF668026, MF668036–37** |
| ***Mammomonogamus* sp., gorilla, Cameroon** | **MF668001** | **MF668011** | **MF668030, MF668035** |
| ***Mammomonogamus* sp., bufallo, Gabon** | **MF668004** | **MF668009** | **MF668028, MF668031–34** |
| ***Cyathostoma* cf. *bronchialis*, goose, Slovakia** | **MF668005** | **MF668022** | **–** |
| ***Syngamus* sp., *Turdus merula*, Czech Republic** | **MF668004** | **MF668018** | **–** |
| ***Syngamus* sp., *Corvus corone*, Czech Republic** | **MF6680003** | **MF668017** | **–** |