Supplementary Material Table S1. Summary of information on the *S. vulpis* sp. nov. and *S. lupi* specimens used in the study.

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| --- | --- | --- | --- |
| Species | Country of origin | Number of specimens | Purpose in the study |
| *Spirocerca vulpis* sp. nov. | Bosnia and Herzegovina | 27 | SEM (n=5), morphometric (n=8) and phylogenetic analysis (n=14) |
|  | Spain  | 26 | SEM (n=6), morphometric (n=13) and phylogenetic analysis (n=7) |
|  | Italy | 1 | Phylogenetic analysis |
| *Spirocerca lupi* | Israel  | 32 | SEM (n=6), morphometric (n=18) and phylogenetic analysis (n=8)  |
|  | India | 5 | Phylogenetic analysis |
|  | South Africa | 4 | Phylogenetic analysis |

SEM: scanning electron microscopy