Table S2. GenBank accession numbers used in the construction of COI neighbor-joining trees.

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| Taxon name | GenBank Accession # |
| *Neolobocriconema serratum* | MH668970.1 |
| *Neolobocriconema serratum* | MH668969.1 |
| *Criconemoides myungsugae* | MH496163.1 |
| *Criconemoides myungsugae* | MH496165.1 |
| *Criconemoides myungsugae* | MH496164.1 |
| *Neobakernema variabile* | MF683242.1 |
| *Hemicycliophora* sp. | MG019876.1 |
| *Hemicycliophora* sp. | MG019877.1 |
| *Hemicycliophora* sp. | MG019874.1 |
| *Hemicycliophora* sp. | MG019875.1 |
| *Hemicycliophora* sp. | MG019889.1 |
| *Hemicycliophora* sp. | MG019888.1 |
| *Hemicycliophora* sp. | MG019887.1 |
| *Hemicycliophora similis* | MG019886.1 |
| *Hemicycliophora thienemanni* | MG019885.1 |
| *Hemicycliophora thienemanni* | MG019884.1 |
| *Hemicycliophora thienemanni* | MG019882.1 |
| *Hemicycliophora thienemanni* | MG019883.1 |
| *Hemicycliophora* sp. | MG019879.1 |
| *Hemicycliophora* sp. | MG019880.1 |
| *Hemicycliophora* sp. | MG019878.1 |
| *Hemicycliophora* sp. | MG019881.1 |
| *Hemicycliophora* sp. | MG019868.1 |
| *Hemicycliophora gracilis* | MG019872.1 |
| *Hemicycliophora gracilis* | MG019873.1 |
| *Hemicycliophora gracilis* | MG019869.1 |
| *Hemicycliophora gracilis* | MG019870.1 |
| *Hemicycliophora gracilis* | MG019871.1 |
| *Hemicycliophora* sp. | MG019850.1 |
| *Hemicycliophora* sp. | MG019849.1 |
| *Hemicycliophora robbinsi* | MG019848.1 |
| *Hemicycliophora robbinsi* | MG019847.1 |
| *Hemicycliophora robbinsi* | MG019842.1 |
| *Hemicycliophora robbinsi* | MG019844.1 |
| *Hemicycliophora robbinsi* | MG019845.1 |
| *Hemicycliophora robbinsi* | MG019843.1 |
| *Hemicycliophora robbinsi* | MG019846.1 |
| *Hemicycliophora iberica* | MG019832.1 |
| *Hemicycliophora iberica* | MG019833.1 |
| *Hemicycliophora iberica* | MG019834.1 |
| *Hemicycliophora* sp. | MG019835.1 |
| *Hemicycliophora* sp. | MG019836.1 |
| *Hemicycliophora epicharoides* | MG019837.1 |
| *Hemicycliophora* sp. | MG019838.1 |
| *Hemicycliophora epicharoides* | MG019839.1 |
| *Hemicycliophora typica* | MG019840.1 |
| *Hemicycliophora* sp. | MG019841.1 |
| *Hemicycliophora poranga* | MG019891.1 |
| *Hemicycliophora poranga* | MG019892.1 |
| *Hemicycliophora poranga* | MG019890.1 |
| *Hemicycliophora poranga* | MG019901.1 |
| *Hemicycliophora poranga* | MG019900.1 |
| *Hemicycliophora poranga* | MG019899.1 |
| *Hemicycliophora poranga* | MG019898.1 |
| *Hemicycliophora poranga* | MG019897.1 |
| *Hemicycliophora poranga* | MG019896.1 |
| *Hemicycliophora poranga* | MG019895.1 |
| *Hemicycliophora poranga* | MG019894.1 |
| *Hemicycliophora poranga* | MG019893.1 |
| *Hemicycliophora halophila* | MG019903.1 |
| *Hemicycliophora* sp. | MG019902.1 |
| *Hemicycliophora obtusa* | MG019831.1 |
| *Hemicycliophora hellenica* | MG019905.1 |
| *Hemicycliophora onubensis* | MG019906.1 |
| *Hemicycliophora onubensis* | MG019907.1 |
| *Hemicycliophora conida* | MG019904.1 |
| *Hemicycliophora californica* | MG019853.1 |
| *Hemicycliophora californica* | MG019851.1 |
| *Hemicycliophora californica* | MG019852.1 |
| *Hemicycliophora californica* | MG019854.1 |
| *Hemicycliophora raskii* | MG019855.1 |
| *Hemicycliophora floridensis* | MG019867.1 |
| *Hemicycliophora lutosa* | MG019856.1 |
| *Hemicycliophora lutosoides* | MG019857.1 |
| *Hemicycliophora parvana* | MG019866.1 |
| *Hemicycliophora parvana* | MG019858.1 |
| *Hemicycliophora parvana* | MG019859.1 |
| *Hemicycliophora parvana* | MG019860.1 |
| *Hemicycliophora parvana* | MG019861.1 |
| *Hemicycliophora parvana* | MG019862.1 |
| *Hemicycliophora parvana* | MG019863.1 |
| *Hemicycliophora parvana* | MG019864.1 |
| *Hemicycliophora parvana* | MG019865.1 |
| *Hemicriconemoides strictathecatus* | KM516196.1 |
| *Hemicriconemoides strictathecatus* | KM516197.1 |
| *Hemicriconemoides strictathecatus* | KM516198.1 |
| *Hemicriconemoides* sp. | KM516194.1 |
| *Hemicriconemoides* sp. | KM516195.1 |
| *Hemicriconemoides californianus* | KM516193.1 |
| *Hemicriconemoides californianus* | KM516192.1 |
| *Hemicriconemoides chitwoodi* | MH478585.1 |
| *Hemicriconemoides chitwoodi* | MH478584.1 |
| *Hemicriconemoides promissus* | KM577164.1 |
| *Hemicriconemoides promissus* | KM577165.1 |
| *Hemicriconemoides macrodorus* | KM577166.1 |
| *Hemicriconemoides macrodorus* | KM577167.1 |
| *Hemicriconemoides macrodorus* | KM577168.1 |
| *Criconema silvum* | MF683241.1 |
| *Hemicriconemoides fujianensis* | MH478582.1 |
| *Hemicriconemoides fujianensis* | MH478581.1 |
| *Hemicriconemoides fujianensis* | MH478583.1 |
| *Hemicriconemoides fujianensis* | MH478580.1 |
| *Hemicriconemoides fujianensis* | MH478579.1 |
| *Hemicriconemoides fujianensis* | MH478578.1 |
| *Ogma decalineatus* | MF683240.1 |