# Table S3. Barcode gap analysis as generated by Barcode of Life Data Systems (BOLD) V4 for terrestrial nematodes in the order Tylenchida: Superfamily Criconematoidea. For each species, the mean and maximum intra-specific values are compared to the nearest neighbor distance. Where the species is a singleton, N/A is displayed for intra-specific values. This table only includes specimen records deposited on BOLD by the authors.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Family** | **Genus/Species** | **Mean  Intra-Specific** | **Maximum  Intra-Specific** | **Nearest  Neighbor** | **Nearest Species** | **Distance to Nearest Neighbor** |
| Caloosiidae | *Hemicaloosia* sp. BITH | 2.21 | 2.21 | CRICO285-16 | *Hemicycliophora* sp. Singleton Z | 11.24 |
| Caloosiidae | *Hemicaloosia* sp. Ontario | N/A | 0 | CRICO1574-19 | *Hemicycliophora* sp. Singleton B | 10.55 |
| Criconematidae | *Bakernema inaequale* | 1.26 | 4.94 | CRICO486-16 | *Criconema longulum* | 14.65 |
| Criconematidae | *Criconema acriculum* | 0.73 | 2.38 | CRICO486-16 | *Criconema longulum* | 7.76 |
| Criconematidae | *Criconema crotaloides* | 5.97 | 10.05 | CRICO1135-16 | *Criconema* sp. Oregon | 8.83 |
| Criconematidae | *Criconema longulum* | 0 | 0 | CRICO496-16 | *Criconema petasum* | 7.62 |
| Criconematidae | *Criconema loofi* | 2.97 | 5.58 | CRICO420-16 | *Criconema petasum* | 10.78 |
| Criconematidae | *Criconema mutabile* | 0.05 | 0.2 | CRICO1371-18 | *Ogma tenuicaudatus* | 11.49 |
| Criconematidae | *Criconema permistum* | 1.28 | 2.63 | CRICO611-16 | *Criconema sphagni* | 10.75 |
| Criconematidae | *Criconema petasum* | 1.76 | 3.66 | CRICO1390-18 | *Ogma seymouri* | 6.58 |
| Criconematidae | *Criconema* sp. Alaska | 0 | 0 | CRICO1580-19 | *Criconema sphagni* | 6.35 |
| Criconematidae | *Criconema* sp. BraulioCarilloNP | 2.19 | 6.58 | CRICO1009-16 | *Criconema sphagni* | 7.78 |
| Criconematidae | *Criconema* sp. Denmark | 0.13 | 0.2 | CRICO510-16 | *Crossonema menzeli* Norway | 8.57 |
| Criconematidae | *Criconema* sp. Ireland | 0 | 0 | CRICO496-16 | *Criconema petasum* | 8.76 |
| Criconematidae | *Criconema* sp. Nepal | 0 | 0 | CRICO256-16 | *Criconema mutabile* | 12.15 |
| Criconematidae | *Criconema* sp. Oregon | 0 | 0 | CRICO1125-16 | *Criconema crotaloides* | 8.83 |
| Criconematidae | *Criconema* sp. Patterson hemlock | 0 | 0 | CRICO537-16 | *Criconema sphagni* | 7.54 |
| Criconematidae | *Criconema* sp. Prairie | 0.37 | 0.79 | CRICO1487-18 | *Criconema* sp. BraulioCarilloNP | 8.32 |
| Criconematidae | *Criconema* sp. Utah | 0.2 | 0.59 | CRICO1125-16 | *Criconema crotaloides* | 10.78 |
| Criconematidae | *Criconema* sp. bcnp | 0 | 0 | CRICO018-16 | *Crossonema menzeli* Denmark | 9.65 |
| Criconematidae | *Criconema* sp. turf | 0.2 | 0.2 | CRICO1511-19 | *Criconema mutabile* | 19.19 |
| Criconematidae | *Criconema sphagni* | 2.34 | 4.69 | CRICO946-16 | *Criconema* sp. Alaska | 6.35 |
| Criconematidae | *Criconemoides annulatus* | 9.51 | 17.45 | CRICO687-16 | *Criconema sphagni* | 13.02 |
| Criconematidae | *Criconemoides informis* | 7.23 | 14.12 | CRICO386-16 | *Crossonema menzeli* Denmark | 11.71 |
| Criconematidae | *Criconemoides inusitatus* | 0 | 0 | CRICO1511-19 | *Criconema mutabile* | 13.68 |
| Criconematidae | *Criconemoides* sp. BurOak | 0 | 0 | CRICO1463-18 | *Criconemoides* sp. Heredia | 9.55 |
| Criconematidae | *Criconemoides* sp. Heredia | N/A | 0 | CRICO021-16 | *Criconemoides* sp. BurOak | 9.55 |
| Criconematidae | *Criconemoides* sp. Iran | 0.13 | 0.63 | CRICO1603-19 | *Criconemoides* sp. Poland | 21.17 |
| Criconematidae | *Criconemoides* sp. MO Glade | N/A | 0 | CRICO1463-18 | *Criconemoides* sp. Heredia | 12.59 |
| Criconematidae | *Criconemoides* sp. Poland | 0 | 0 | CRICO1020-16 | *Criconemoides informis* | 12.27 |
| Criconematidae | *Criconemoides* sp. RouttNF | N/A | 0 | CRICO1020-16 | *Criconemoides informis* | 12.27 |
| Criconematidae | *Criconemoides* sp. Thailand | 0 | 0 | CRICO170-16 | *Criconemoides informis* | 12.76 |
| Criconematidae | *Criconemoides* sp. WI-TX | 5.4 | 8.1 | CRICO869-16 | *Criconema sphagni* | 11.49 |
| Criconematidae | *Criconemoides sphaerocephalum* | 12.95 | 21.76 | CRICO486-16 | *Criconema longulum* | 12.52 |
| Criconematidae | *Crossonema fimbriatum* | 3.36 | 5.73 | CRICO143-16 | *Ogma seymouri* | 6.37 |
| Criconematidae | *Crossonema menzeli* Denmark | 1.97 | 5.1 | CRICO1390-18 | *Ogma seymouri* | 5.94 |
| Criconematidae | *Crossonema menzeli* Norway | 1.47 | 3.64 | CRICO1481-18 | *Ogma* sp. LasCruces | 6.8 |
| Criconematidae | *Crossonema* sp. BITH | 1.2 | 2.82 | CRICO620-16 | *Crossonema menzeli* Norway | 8.76 |
| Criconematidae | *Crossonema* sp. MTWY | N/A | 0 | CRICO351-16 | *Crossonema* sp. Nepal-NA | 0.63 |
| Criconematidae | *Crossonema* sp. Nepal-NA | 0.07 | 0.2 | CRICO1624-19 | *Crossonema* sp. MTWY | 0.63 |
| Criconematidae | *Crossonema* sp. Vermont | 0.13 | 0.2 | CRICO815-16 | *Ogma murrayi* | 6.37 |
| Criconematidae | *Discocriconemella limitanea* | 15.98 | 23.97 | CRICO696-16 | *Mesocriconema rusticum* | 12.62 |
| Criconematidae | *Discocriconemella* sp. Thailand | N/A | 0 | CRICO486-16 | *Criconema longulum* | 9.05 |
| Criconematidae | *Hemicriconemoides californicus* | N/A | 0 | CRICO371-16 | *Ogma murrayi* | 8.99 |
| Criconematidae | *Hemicriconemoides chitwoodi* | 0 | 0 | CRICO507-16 | *Criconema sphagni* | 9.49 |
| Criconematidae | *Hemicriconemoides minor* | 0 | 0 | CRICO869-16 | *Criconema sphagni* | 12 |
| Criconematidae | *Hemicriconemoides* sp. FLThai | N/A | 0 | CRICO1021-16 | *Hemicriconemoides* sp. Singleton AA | 6.86 |
| Criconematidae | *Hemicriconemoides* sp. HIThai | 0 | 0 | CRICO1289-18 | *Hemicriconemoides* sp. Singleton AB | 3.02 |
| Criconematidae | *Hemicriconemoides* sp. Nepal | N/A | 0 | CRICO934-16 | *Hemicriconemoides californicus* | 10.55 |
| Criconematidae | *Hemicriconemoides* sp. Singleton AA | N/A | 0 | CRICO1549-19 | *Hemicriconemoides* sp. FLThai | 6.86 |
| Criconematidae | *Hemicriconemoides* sp. Singleton AB | N/A | 0 | CRICO1533-19 | *Hemicriconemoides* sp. HIThai | 3.02 |
| Criconematidae | *Hemicriconemoides* sp. Singleton AL | N/A | 0 | CRICO934-16 | *Hemicriconemoides californicus* | 12.39 |
| Criconematidae | *Hemicycliophora macristhmus* Singleton W | N/A | 0 | CRICO1574-19 | *Hemicycliophora* sp. Singleton B | 10.84 |
| Criconematidae | *Hemicycliophora* sp. 8 | N/A | 0 | CRICO1542-19 | *Hemicycliophora* sp. Crescent Lake | 11.01 |
| Criconematidae | *Hemicycliophora* sp. 9 | 0 | 0 | CRICO043-16 | *Hemicycliophora typica* Singleton T | 7.93 |
| Criconematidae | *Hemicycliophora* sp. BITH | 0.09 | 0.2 | CRICO1440-18 | *Hemicycliophora* sp. Byrne SF | 3.06 |
| Criconematidae | *Hemicycliophora* sp. Byrne SF | 0 | 0 | CRICO1314-18 | *Hemicycliophora* sp. BITH | 3.06 |
| Criconematidae | *Hemicycliophora* sp. Crescent Lake | 0 | 0 | CRICO1602-19 | *Hemicycliophora* sp. 8 | 11.01 |
| Criconematidae | *Hemicycliophora* sp. LaSelva | 0.2 | 0.2 | CRICO1485-18 | *Hemicycliophora* sp. LasCruces | 12.04 |
| Criconematidae | *Hemicycliophora* sp. LasCruces | 0 | 0 | CRICO1452-18 | *Hemicycliophora* sp. LaSelva | 12.04 |
| Criconematidae | *Hemicycliophora* sp. Poland | N/A | 0 | CRICO1621-19 | *Crossonema* sp. Nepal-NA | 12.93 |
| Criconematidae | *Hemicycliophora* sp. Quebec | 0 | 0 | CRICO1440-18 | *Hemicycliophora* sp. Byrne SF | 9.24 |
| Criconematidae | *Hemicycliophora* sp. Singleton B | N/A | 0 | CRICO1395-18 | *Hemicaloosia* sp. Ontario | 10.55 |
| Criconematidae | *Hemicycliophora* sp. Singleton S | N/A | 0 | CRICO1578-19 | *Hemicycliophora* sp. 9 | 12.55 |
| Criconematidae | *Hemicycliophora* sp. Singleton U | N/A | 0 | CRICO1485-18 | *Hemicycliophora* sp. LasCruces | 13.28 |
| Criconematidae | *Hemicycliophora* sp. Singleton V | N/A | 0 | CRICO1621-19 | *Crossonema* sp. Nepal-NA | 13.01 |
| Criconematidae | *Hemicycliophora* sp. Singleton Z | N/A | 0 | CRICO982-16 | *Hemicaloosia* sp. BITH | 11.24 |
| Criconematidae | *Hemicycliophora* sp. UT-CO | 2.06 | 3.66 | CRICO1602-19 | *Hemicycliophora* sp. 8 | 12.22 |
| Criconematidae | *Hemicycliophora thornei* Singleton X | N/A | 0 | CRICO285-16 | *Hemicycliophora* sp. Singleton Z | 12.62 |
| Criconematidae | *Hemicycliophora typica* Singleton T | N/A | 0 | CRICO1578-19 | *Hemicycliophora* sp. 9 | 7.93 |
| Criconematidae | *Lobocriconema incrassatum* HG03 | 0 | 0 | CRICO1039-16 | *Lobocriconema incrassatum* HG16 | 8.84 |
| Criconematidae | *Lobocriconema incrassatum* HG16 | 0 | 0 | CRICO1030-16 | *Lobocriconema incrassatum* HG03 | 8.84 |
| Criconematidae | *Lobocriconema* sp. Denmark | N/A | 0 | CRICO1107-16 | *Lobocriconema* sp. Santa Fe | 11.29 |
| Criconematidae | *Lobocriconema* sp. HG01 | 1.62 | 5.82 | CRICO1107-16 | *Lobocriconema* sp. Santa Fe | 9.44 |
| Criconematidae | *Lobocriconema* sp. HG02 | 0.23 | 0.59 | CRICO1107-16 | *Lobocriconema* sp. Santa Fe | 12.52 |
| Criconematidae | *Lobocriconema* sp. HG04 | 0 | 0 | CRICO365-16 | *Lobocriconema thornei* HG05 | 3.63 |
| Criconematidae | *Lobocriconema* sp. HG07 | 0.09 | 0.2 | CRICO1516-19 | *Lobocriconema* sp. Singleton PP | 8.4 |
| Criconematidae | *Lobocriconema* sp. HG08 | 6.8 | 10.19 | CRICO001-16 | *Lobocriconema* sp. Singleton P | 7.49 |
| Criconematidae | *Lobocriconema* sp. HG09 | 1.36 | 4.7 | CRICO001-16 | *Lobocriconema* sp. Singleton P | 5.73 |
| Criconematidae | *Lobocriconema* sp. HG10 | 0.73 | 1.39 | CRICO1045-16 | *Lobocriconema* sp. HG11 | 7.45 |
| Criconematidae | *Lobocriconema* sp. HG11 | 4.5 | 7.52 | CRICO348-16 | *Lobocriconema* sp. Singleton R | 6.81 |
| Criconematidae | *Lobocriconema* sp. HG12 | 1.54 | 3.86 | CRICO1045-16 | *Lobocriconema* sp. HG11 | 9.02 |
| Criconematidae | *Lobocriconema* sp. HG13 | 0.18 | 0.59 | CRICO862-16 | *Lobocriconema* sp. HG11 | 7.92 |
| Criconematidae | *Lobocriconema* sp. HG14 | 0.16 | 0.4 | CRICO1045-16 | *Lobocriconema* sp. HG11 | 6.83 |
| Criconematidae | *Lobocriconema* sp. HG15 | 1.36 | 4.08 | CRICO1068-16 | *Lobocriconema* sp. HG11 | 7.26 |
| Criconematidae | *Lobocriconema* sp. HG17 | 0 | 0 | CRICO1030-16 | *Lobocriconema incrassatum* HG03 | 19.23 |
| Criconematidae | L*obocriconema* sp. Santa Fe | 0 | 0 | CRICO817-16 | *Lobocriconema* sp. HG01 | 9.44 |
| Criconematidae | *Lobocriconema* sp. Singleton N | N/A | 0 | CRICO791-16 | *Lobocriconema* sp. Singleton O | 9.78 |
| Criconematidae | *Lobocriconema* sp. Singleton O | N/A | 0 | CRICO908-16 | *Lobocriconema thornei* HG18 | 4.47 |
| Criconematidae | *Lobocriconema* sp. Singleton P | N/A | 0 | CRICO234-16 | *Lobocriconema* sp. HG09 | 5.73 |
| Criconematidae | *Lobocriconema* sp. Singleton PP | N/A | 0 | CRICO859-16 | *Lobocriconema* sp. HG11 | 8.37 |
| Criconematidae | *Lobocriconema* sp. Singleton Q | N/A | 0 | CRICO852-16 | *Lobocriconema* sp. HG15 | 9.03 |
| Criconematidae | *Lobocriconema* sp. Singleton R | N/A | 0 | CRICO1045-16 | *Lobocriconema* sp. HG11 | 6.81 |
| Criconematidae | *Lobocriconema thornei* HG05 | 0.66 | 1.8 | CRICO908-16 | *Lobocriconema thornei* HG18 | 1.19 |
| Criconematidae | *Lobocriconema thornei* HG18 | 0 | 0 | CRICO365-16 | *Lobocriconema thornei* HG05 | 1.19 |
| Criconematidae | *Lobocriconema warrenense* HG06 | 5.12 | 9.76 | CRICO001-16 | *Lobocriconema* sp. Singleton P | 7.67 |
| Criconematidae | *Mesocriconema antipolitanum* | 0.31 | 0.63 | CRICO013-16 | *Mesocriconema curvatum* | 7.92 |
| Criconematidae | *Mesocriconema curvatum* | 0.09 | 0.4 | CRICO1623-19 | *Mesocriconema* sp. MTWY | 6.54 |
| Criconematidae | *Mesocriconema discus* | 0.2 | 0.59 | CRICO748-16 | *Mesocriconema* sp. K-C | 5.94 |
| Criconematidae | *Mesocriconema ericaceum* | 0.03 | 0.4 | CRICO798-16 | *Mesocriconema* sp. Singleton D | 10.93 |
| Criconematidae | *Mesocriconema inaratum* | 0.17 | 0.8 | CRICO1620-19 | *Mesocriconema nebraskense* | 15.25 |
| Criconematidae | *Mesocriconema nebraskense* | 0.79 | 6.57 | CRICO212-16 | *Mesocriconema* sp. HG19 | 9.3 |
| Criconematidae | *Mesocriconema onoense* | 0 | 0 | CRICO156-16 | *Mesocriconema* sp. HaigPoint | 13.01 |
| Criconematidae | *Mesocriconema ornatum* | 0 | 0 | CRICO1495-19 | *Mesocriconema curvatum* | 7.93 |
| Criconematidae | *Mesocriconema rusticum* | 0.21 | 0.99 | CRICO038-16 | *Mesocriconema* sp. HG06 | 7.47 |
| Criconematidae | *Mesocriconema* sp. Apalachicola | N/A | 0 | CRICO959-16 | *Mesocriconema* sp. NBJG1 | 9.5 |
| Criconematidae | *Mesocriconema* sp. Attwater | N/A | 0 | CRICO257-16 | *Mesocriconema* sp. HG20 | 7.07 |
| Criconematidae | *Mesocriconema* sp. BBR-KW | 2.02 | 3.03 | CRICO748-16 | *Mesocriconema* sp. K-C | 8.55 |
| Criconematidae | *Mesocriconema* sp. BBR1 | 0.11 | 0.2 | CRICO983-16 | *Mesocriconema* sp. TurkeyCr | 12.23 |
| Criconematidae | *Mesocriconema* sp. Big Sandy | N/A | 0 | CRICO1614-19 | *Mesocriconema* sp. TXMO | 0.2 |
| Criconematidae | *Mesocriconema* sp. Crescent Lake | 0 | 0 | CRICO258-16 | *Mesocriconema* sp. HG24 | 9 |
| Criconematidae | *Mesocriconema* sp. HG06 | 0 | 0 | CRICO696-16 | *Mesocriconema rusticum* | 7.47 |
| Criconematidae | *Mesocriconema* sp. HG15 | 0.02 | 0.2 | CRICO981-16 | *Mesocriconema* sp. Singleton B | 7.54 |
| Criconematidae | *Mesocriconema* sp. HG16 | 0 | 0 | CRICO981-16 | *Mesocriconema* sp. Singleton B | 8.65 |
| Criconematidae | *Mesocriconema* sp. HG19 | 2.11 | 4.3 | CRICO1620-19 | *Mesocriconema nebraskense* | 9.3 |
| Criconematidae | *Mesocriconema* sp. HG20 | 0.2 | 0.39 | CRICO417-16 | *Mesocriconema* sp. Attwater | 7.07 |
| Criconematidae | *Mesocriconema* sp. HG21 | 0.13 | 0.2 | CRICO1544-19 | *Mesocriconema* sp. Crescent Lake | 11.11 |
| Criconematidae | *Mesocriconema* sp. HG22 | 3.89 | 6.38 | CRICO373-16 | *Mesocriconema* sp. HG24 | 6.58 |
| Criconematidae | *Mesocriconema* sp. HG23 | 4.31 | 6.18 | CRICO145-16 | *Mesocriconema* sp. HG24 | 5.73 |
| Criconematidae | *Mesocriconema* sp. HG24 | 1.51 | 3.86 | CRICO413-16 | *Mesocriconema* sp. HG27 | 3.85 |
| Criconematidae | *Mesocriconema* sp. HG25 | 4.78 | 10.91 | CRICO1295-18 | *Mesocriconema* sp. Lance Rosier | 0.2 |
| Criconematidae | *Mesocriconema* sp. HG26 | 0.4 | 0.4 | CRICO212-16 | *Mesocriconema* sp. HG19 | 10.23 |
| Criconematidae | *Mesocriconema* sp. HG27 | 1.7 | 2.83 | CRICO765-16 | *Mesocriconema* sp. HG24 | 3.85 |
| Criconematidae | *Mesocriconema* sp. HaigPoint | N/A | 0 | CRICO480-16 | *Mesocriconema ornatum* | 8.36 |
| Criconematidae | *Mesocriconema* sp. Hickory | N/A | 0 | CRICO959-16 | *Mesocriconema* sp. NBJG1 | 7.98 |
| Criconematidae | *Mesocriconema* sp. K-C | 0.2 | 0.2 | CRICO1420-18 | *Mesocriconema discus* | 5.94 |
| Criconematidae | *Mesocriconema* sp. KW | 0.97 | 2.21 | CRICO915-16 | *Mesocriconema* sp. OW | 7.89 |
| Criconematidae | *Mesocriconema* sp. LaSelva | 0.93 | 1.39 | CRICO798-16 | *Mesocriconema* sp. Singleton D | 12.41 |
| Criconematidae | *Mesocriconema* sp. Lance Rosier | N/A | 0 | CRICO1079-16 | *Mesocriconema* sp. HG25 | 0.2 |
| Criconematidae | *Mesocriconema* sp. Loxahatchee | N/A | 0 | CRICO1501-19 | *Mesocriconema xenoplax* HG11 | 12.94 |
| Criconematidae | *Mesocriconema* sp. MT | 0 | 0 | CRICO1623-19 | *Mesocriconema* sp. MTWY | 0 |
| Criconematidae | *Mesocriconema* sp. MTWY | N/A | 0 | CRICO1387-18 | *Mesocriconema* sp. MT | 0 |
| Criconematidae | *Mesocriconema* sp. NBJG1 | 0 | 0 | CRICO1419-18 | *Mesocriconema* sp. NBJG2 | 5.79 |
| Criconematidae | *Mesocriconema* sp. NBJG2 | 0.3 | 0.6 | CRICO959-16 | *Mesocriconema* sp. NBJG1 | 5.79 |
| Criconematidae | *Mesocriconema* sp. NM turf | 0 | 0 | CRICO765-16 | *Mesocriconema* sp. HG24 | 6.8 |
| Criconematidae | *Mesocriconema* sp. OW | 0.07 | 0.2 | CRICO1560-19 | *Mesocriconema* sp. OWMO | 0.59 |
| Criconematidae | *Mesocriconema* sp. OWMO | 0 | 0 | CRICO915-16 | *Mesocriconema* sp. OW | 0.59 |
| Criconematidae | *Mesocriconema* sp. Puntarenas | 0 | 0 | CRICO411-16 | *Mesocriconema* sp. Hickory | 13.68 |
| Criconematidae | *Mesocriconema* sp. RW | N/A | 0 | CRICO486-16 | *Criconema longulum* | 10.74 |
| Criconematidae | *Mesocriconema* sp. Roth | N/A | 0 | CRICO959-16 | *Mesocriconema* sp. NBJG1 | 12.06 |
| Criconematidae | *Mesocriconema* sp. Singleton A | N/A | 0 | CRICO1000-16 | *Mesocriconema* sp. HG24 | 6.38 |
| Criconematidae | *Mesocriconema* sp. Singleton B | N/A | 0 | CRICO155-16 | *Mesocriconema* sp. HG15 | 7.54 |
| Criconematidae | *Mesocriconema* sp. Singleton C | N/A | 0 | CRICO748-16 | *Mesocriconema* sp. K-C | 8.44 |
| Criconematidae | *Mesocriconema* sp. Singleton D | N/A | 0 | CRICO1420-18 | *Mesocriconema discus* | 8.98 |
| Criconematidae | *Mesocriconema* sp. TXMO | N/A | 0 | CRICO1279-18 | *Mesocriconema* sp. Big Sandy | 0.2 |
| Criconematidae | *Mesocriconema* sp. TurkeyCr | N/A | 0 | CRICO595-16 | *Mesocriconema* sp. BBR1 | 12.23 |
| Criconematidae | *Mesocriconema xenoplax* | N/A | 0 | CRICO659-16 | *Mesocriconema xenoplax* HG13 | 0.2 |
| Criconematidae | *Mesocriconema xenoplax* HG08 | 0 | 0 | CRICO379-16 | *Mesocriconema xenoplax* Singleton F | 7.73 |
| Criconematidae | *Mesocriconema xenoplax* HG09 | 2.81 | 4.96 | CRICO1501-19 | *Mesocriconema xenoplax* HG11 | 7.96 |
| Criconematidae | *Mesocriconema xenoplax* HG10 | 0.24 | 0.6 | CRICO851-16 | *Mesocriconema xenoplax* Singleton G | 7.12 |
| Criconematidae | *Mesocriconema xenoplax* HG11 | 0.25 | 0.99 | CRICO659-16 | *Mesocriconema xenoplax* HG13 | 5.17 |
| Criconematidae | *Mesocriconema xenoplax* HG12 | 0.69 | 1.61 | CRICO1573-19 | *Mesocriconema xenoplax* HG13 | 2.83 |
| Criconematidae | *Mesocriconema xenoplax* HG13 | 0.22 | 1 | CRICO1213-16 | *Mesocriconema xenoplax* | 0.2 |
| Criconematidae | *Mesocriconema xenoplax* HG14 | 0.34 | 0.79 | CRICO1167-16 | *Mesocriconema xenoplax* HG11 | 10 |
| Criconematidae | *Mesocriconema xenoplax* Singleton F | N/A | 0 | CRICO073-16 | *Mesocriconema xenoplax* HG08 | 7.73 |
| Criconematidae | *Mesocriconema xenoplax* Singleton G | N/A | 0 | CRICO444-16 | *Mesocriconema xenoplax* HG10 | 7.12 |
| Criconematidae | *Mesocriconema xenoplax* VA-TX | 4.28 | 4.28 | CRICO1501-19 | *Mesocriconema xenoplax* HG11 | 7.99 |
| Criconematidae | *Neolobocriconema serratum* | N/A | 0 | CRICO1511-19 | *Criconema mutabil*e | 14.43 |
| Criconematidae | *Nothocriconemoides* sp. LaSelva | 0 | 0 | CRICO1495-19 | *Mesocriconema curvatum* | 13.68 |
| Criconematidae | *Ogma decalineatus* | 0.79 | 2.41 | CRICO1487-18 | *Criconema* sp. BraulioCarilloNP | 10.1 |
| Criconematidae | *Ogma duodevigintilineatus* | 0.1 | 0.2 | CRICO1371-18 | *Ogma tenuicaudatus* | 11.94 |
| Criconematidae | *Ogma murrayi* | 2.55 | 4.29 | CRICO386-16 | *Crossonema menzeli* Denmark | 6.16 |
| Criconematidae | *Ogma octangularis* | 0.84 | 2.84 | CRICO486-16 | *Criconema longulum* | 10.27 |
| Criconematidae | *Ogma seymouri* | 1.14 | 2.41 | CRICO018-16 | *Crossonema menzeli* Denmark | 5.94 |
| Criconematidae | *Ogma* sp. BraulioCarilloNP | 0 | 0 | CRICO1481-18 | *Ogma* sp. LasCruces | 7.23 |
| Criconematidae | *Ogma* sp. LaSelva | 0.1 | 0.2 | CRICO486-16 | *Criconema longulum* | 10.04 |
| Criconematidae | *Ogma* sp. LasCruces | 0 | 0 | CRICO510-16 | *Crossonema menzeli* Norway | 6.8 |
| Criconematidae | *Ogma tenuicaudatus* | N/A | 0 | CRICO612-16 | *Criconema sphagni* | 7.06 |
| Criconematidae | *Xenocriconemella macrodora* | 3.46 | 7.05 | CRICO1332-18 | *Crossonema menzeli* Denmark | 11.12 |
| Paratylenchidae | *Gracilacus capitatus* Singleton I | N/A | 0 | CRICO1604-19 | *Paratylenchus* sp. Poland 1 | 16.55 |
| Paratylenchidae | *Gracilacus* sp. Santa Fe | 0.27 | 0.4 | CRICO1424-18 | *Paratylenchus* sp. Ireland2 | 6.45 |
| Paratylenchidae | *Gracilacus wuae* | 0 | 0 | CRICO1296-18 | *Paratylenchus* sp. Turkey Creek | 12.17 |
| Paratylenchidae | *Paratylenchus projectus* | 3.9 | 7.31 | CRICO1606-19 | *Paratylenchus* sp. Poland 2 | 6.84 |
| Paratylenchidae | *Paratylenchus* sp. BITH | 0 | 0 | CRICO1581-19 | *Paratylenchus* sp. Bald | 5.56 |
| Paratylenchidae | *Paratylenchus* sp. Bald | N/A | 0 | CRICO1415-18 | *Paratylenchus* sp. BITH | 5.56 |
| Paratylenchidae | *Paratylenchus* sp. CA-MO | N/A | 0 | CRICO415-16 | *Paratylenchus* sp. Singleton Jepson | 8.59 |
| Paratylenchidae | *Paratylenchus* sp. Canada | 0.2 | 0.4 | CRICO1581-19 | *Paratylenchus* sp. Bald | 5.97 |
| Paratylenchidae | *Paratylenchus* sp. Canyonlands | 0.4 | 0.4 | CRICO1296-18 | *Paratylenchus* sp. Turkey Creek | 12.23 |
| Paratylenchidae | *Paratylenchus* sp. Glade 24 | N/A | 0 | CRICO511-16 | *Crossonema menzeli* Norway | 20.09 |
| Paratylenchidae | *Paratylenchus* sp. Ireland | 0 | 0 | CRICO1606-19 | *Paratylenchus* sp. Poland 2 | 11.22 |
| Paratylenchidae | *Paratylenchus* sp. Ireland2 | 4.6 | 6.9 | CRICO1101-16 | *Gracilacus* sp. Santa Fe | 6.45 |
| Paratylenchidae | *Paratylenchus* sp. NM | 0 | 0 | CRICO109-16 | *Paratylenchus projectus* | 7.28 |
| Paratylenchidae | *Paratylenchus* sp. Norway | 0 | 0 | CRICO1606-19 | *Paratylenchus* sp. Poland 2 | 11.54 |
| Paratylenchidae | *Paratylenchus* sp. Poland 1 | N/A | 0 | CRICO1559-19 | *Paratylenchus* sp. CA-MO | 8.82 |
| Paratylenchidae | *Paratylenchus* sp. Poland 2 | N/A | 0 | CRICO109-16 | *Paratylenchus projectus* | 6.84 |
| Paratylenchidae | *Paratylenchus* sp. Singleton Jepson | N/A | 0 | CRICO1559-19 | *Paratylenchus* sp. CA-MO | 8.59 |
| Paratylenchidae | *Paratylenchus* sp. Turkey Creek | 2.63 | 2.63 | CRICO1156-16 | *Gracilacus wuae* | 12.17 |
| Paratylenchidae | *Trophotylenchulus* sp. LaSelva | 23.42 | 23.42 | CRICO156-16 | *Mesocriconema* sp. HaigPoint | 27.76 |
| Paratylenchidae | *Tylenchocriconema alleni* | 0.13 | 0.2 | CRICO611-16 | *Criconema sphagni* | 17.01 |