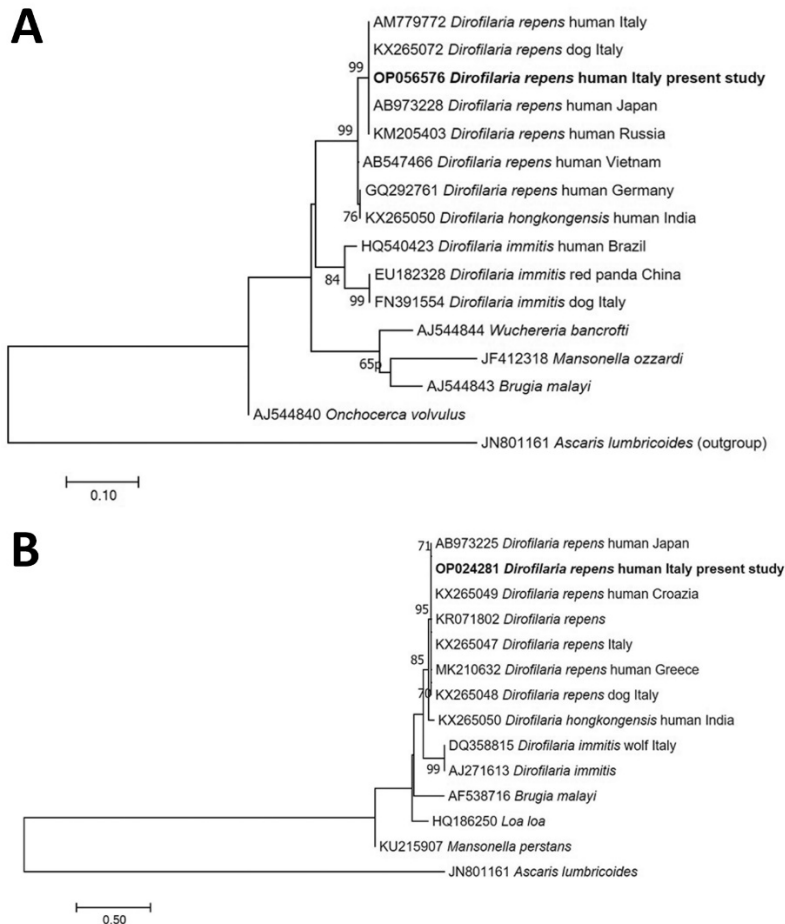


Dirofilaria repens Testicular Infection in Child, Italy

Appendix



Appendix Figure. Phylogenetic analysis of the nematode *Dirofilaria repens* causing a testicular infection in a child in Italy. Phylogenetic trees were constructed by using the maximum-likelihood method. A) The sequence of the 12S rRNA mitochondrial gene from *D. repens* found in this case was compared with *D. repens* sequences from GenBank. Evolutionary history was inferred according to the Hasegawa, Kishino, Yano (HKY) model. B) The sequence of the cytochrome c oxidase subunit 1 mitochondrial gene from *D. repens* found in this case was compared with *D. repens* sequences from GenBank. Evolutionary history was inferred according to the Tamura-Nei model. Our specimen clustered with and was identical to *D. repens* sequences obtained from humans and dogs in Italy. Bootstrap values are shown at different nodes. The trees are drawn to scale; scale bars indicate nucleotide substitutions per site.