Article

Epidemiological and Molecular Investigation of Ocular Fungal Infection in Equine from Egypt

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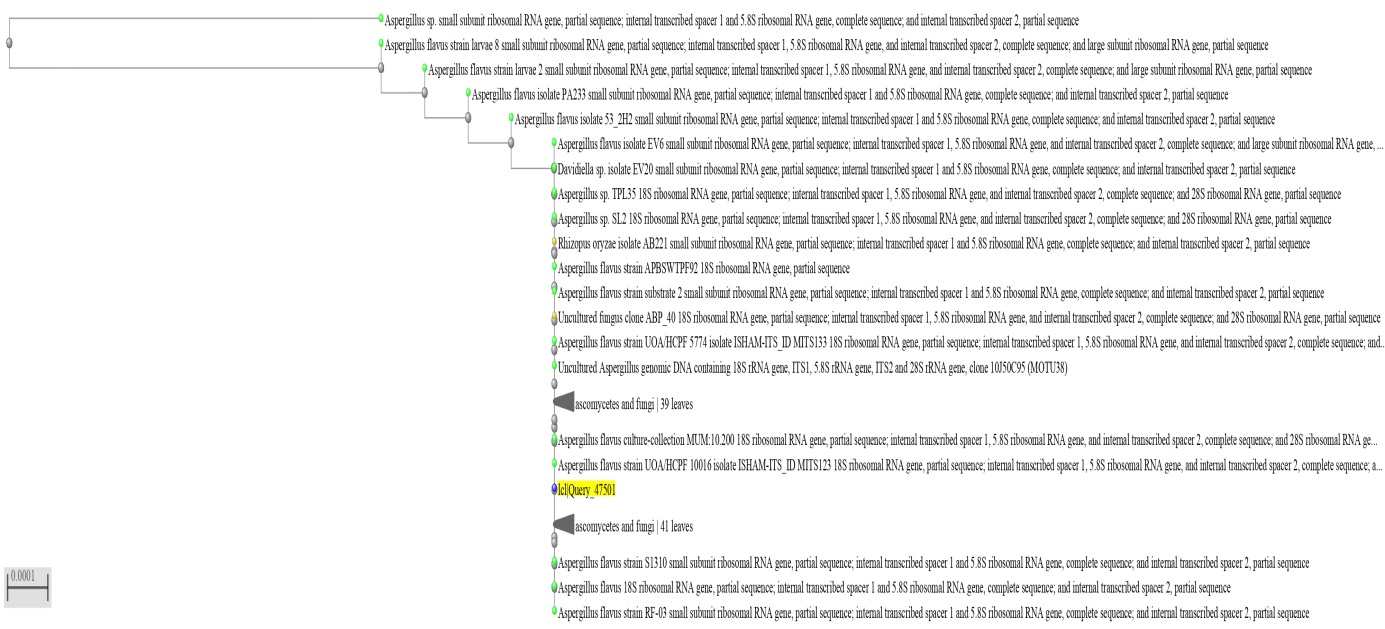
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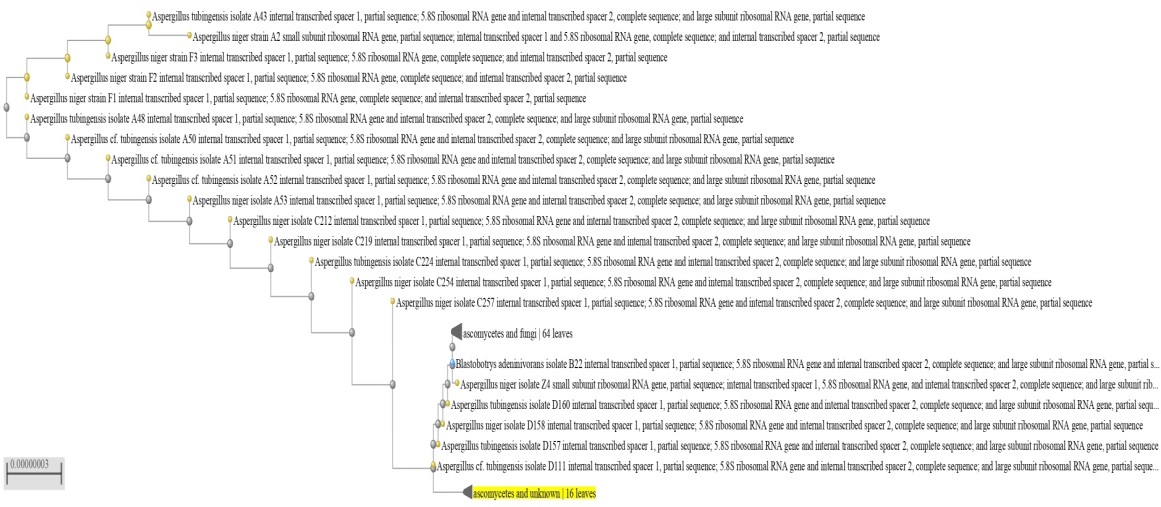
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**Supplementary Figure 1**.Phylogenetic analysis and evolutionary relationship of the *Aspergillus flavus* nucleotide sequences isolated from ocular swabs of equine (ICI Query\_47501) compared with reference sequences from GenBank based on the *18S rRNA* gene. The tree and the neighbor-joining analysis (NJ) were constructed in MEGA X software using *Aspergillus flavus* as out group, with genetic distance of 0.001. The resulting sequence of *Aspergillus flavus* was identical to previous sequences in Gene bank such as *Aspergillus flavus* isolate RF-02 S rRNA gene (Accession no. KY933394.1) and *Aspergillus flavus* strain RF-03 S rRNA gene (Accession no. MF120213.1).



**Supplementary Figure 2.** Phylogenetic analysis and evolutionary relationship of the *Aspergillus fumigatus* nucleotide sequences isolated from ocular swabs of equine (ICI Query\_47501) compared with reference sequences from GenBank based on the *18S rRNA* gene. The tree and the neighbor-joining analysis (NJ) were constructed in MEGA X software using *Aspergillus fumigatus* as out group, with genetic distance of 0.001. The resulting sequence of *Aspergillus fumigatus* was closely similar to previous sequences in Gene bank such as *Aspergillus fumigatus* strain FJAT-31052 S rRNA (Accession no. KU687812.1), *Aspergillus fumigatus isolate* EGDA31 S rRNA (Accession no. MH591451.1) and *Aspergillus fumigatus* strain HQ 18S rRNA (Accession no. EU139476.1).



**Supplementary Figure 3.** Phylogenetic analysis and evolutionary relationship of the *Aspergillus niger* nucleotide sequences isolated from ocular swabs of equine (ICI Query\_47501) compared with reference sequences from GenBank based on the *18S rRNA* gene. The tree and the neighbor-joining analysis (NJ) were constructed in MEGA X software using *Aspergillus niger* as out group, with genetic distance of 0.00000003. The resulting sequence of *Aspergillus niger* was closely similar to previous sequences in Gene bank such as *Aspergillus niger* strain RAF106 S rRNA (Accession no. MN195121.1) and isolate KUASR15 S rRNA (Accession no. MN187307.1).