



ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number 11-021A1

Report Date: 7/11/2013

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD 20910

Species: Tursiops truncatus

Sample type: lung

ID # 76IMMS080510

House Name

Other ID:

Tests Requested: Mycoplasma real-time PCR; Bacterial MicroSeq

Test Results: Negative for Mycoplasma DNA; Inconclusive on generic bacterial PCR

Comments There is no evidence of Mycoplasma spp. DNA within the sample. Although there was detectable DNA within the sample using primers targeting the 16s rRNA gene, sequence suggested a mixed infection within the sample.



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Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number 11-039A1

Report Date: 7/11/2013

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD 20910

Species: *Tursiops truncatus*

Sample type: lung

ID # MCT20110608-LA001/LA558

House Name

Other ID:

Tests Requested: Bacterial MicroSeq

Test Results: Positive

Comments

There was detectable bacterial DNA within the sample using primers targeting the 16srRNA gene; however, sequence was 87-96% similar to multiple species of *Clostridium*. Results should be interpreted in light of lesions and carcass condition.



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Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number 11-051A1

Report Date: 7/11/2013

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD 20910

Species: *Tursiops truncatus*

Sample type: lung

ID # BP2010-LA168

House Name

Other ID:

Tests Requested: Nocardia real-time PCR; Mycoplasma real-time PCR; Bacterial MicroSeq

Test Results: Negative for Nocardia and Myoplasma DNA; Positive on generic baterial PCR

Comments There is no evidence of Nocardia or Mycoplasma spp. DNA within the sample. Although there was detectable bacterial DNA within the sample using primers tartgeting the 16s rRNA gene, sequence suggested a mixed infection within the sample.



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Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number 12-005A1

Report Date: 7/11/2013

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD 20910

Species: *Tursiops truncatus*

Sample type: lung

ID # LFH20120131-LA001

House Name

Other ID:

Tests Requested: Bacterial MicroSeq

Test Results: Inconclusive

Comments Although there was detectable DNA within the sample using primers targeting the 16s rRNA gene, sequence suggested a mixed infection within the sample.



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Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number 12-006A1

Report Date: 7/11/2013

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD 20910

Species: *Tursiops truncatus*

Sample type: lung abscess

ID # LFH20120131-LA001

House Name

Other ID:

Tests Requested: Bacterial MicroSeq

Test Results: Positive

Comments 447bp of sequence from the 16s rRNA gene was 92% similar to *Leptotrichia ammionii*. This percentage similarity is lower than preferred for definitive identification. Results should be interpreted in light of lesions and clinical findings.