



ILLINOIS

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Zoological Pathology Program Molecular Diagnostic Laboratory

Accession Number: 11-061S

Report Date: 5/3/2012

Institution: NOAA

Contact: Dr. Teri Rowles

Address: 1315 East-West Hwy
Silver Spring MD
20910

Species: *Tursiops truncatus*

ID # 51IMMS030711

House Name:

Other ID:

Sample type: lung

Tests Requested: Brucella DNA Sequencing

Test Results: Positive

Comments: Partial sequence (2490 bp) of the OMP2 gene is consistent with *Brucella* spp. (95% sequence similarity) and confirms the presence of *Brucella* DNA in this sample. This sequence is up to 95% similar to *B. pinnipedialis* and 94% similar to fragments of *B. ceti* (complete sequence not available for comparison). Lower percentage similarity in this sample is due primarily to multiple ambiguous bases within the sequence that could not be reconciled.