WOAH Reference Laboratory Reports Activities 2023
Activities in 2023
This report has been submitted : 10 mai 2024 14:46

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: African Swine Fever

Address of laboratory: Foreign Animal Disease Diagnostic Laboratory, PIADC, 40550 Rt 25, Orient Point, NY11957, USA

Tel.: +1 (631)3233314

E-mail address: ping.wu@usda.gov

Website: www.aphis.usda.gov/aphis/ourfocus/animalhealth/lab-info-services

Name (including Title) of Head of Laboratory (Responsible Official): Dr. Robin Holland, FADDL Director

Name (including Title and Position) of WOAH Reference Expert: Dr. Ping Wu, Veterinary Medical Officer

Which of the following defines your laboratory? Check all that apply:
Governmental

TOR1: DIAGNOSTIC METHODS

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASF ELISA</td>
<td>Yes</td>
<td>65043</td>
</tr>
<tr>
<td>ASF IP</td>
<td>No</td>
<td>15</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASF PCR</td>
<td>Yes</td>
<td>68077</td>
</tr>
<tr>
<td>ASF VI</td>
<td>No</td>
<td>37</td>
</tr>
<tr>
<td>ASFV Sequencing</td>
<td>No</td>
<td>0</td>
</tr>
</tbody>
</table>

TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

Yes

<table>
<thead>
<tr>
<th>TYPE OF REAGENT AVAILABLE</th>
<th>RELATED DIAGNOSTIC TEST</th>
<th>PRODUCED/ PROVIDE</th>
<th>AMOUNT SUPPLIED</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY</th>
<th>NO. OF RECIPIENT WOAH MEMBER</th>
<th>COUNTRY OF RECIPIENTS</th>
</tr>
</thead>
</table>

WOAH Reference Laboratory Reports Activities 2023
### TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?
   
   No

7. Did your laboratory validate diagnostic methods according to WOAH Standards for the designated pathogen or disease?
   
   Yes

<table>
<thead>
<tr>
<th>NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED</th>
<th>DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASF/CSF multiplex PCR</td>
<td>Implemented in the APHIS laboratory in Dorado, Puerto Rico and NAHLN laboratory.</td>
</tr>
<tr>
<td>Evaluating the MIC qPCR platform to use with the FADDL ASF real-time PCR assay</td>
<td>Initial stage</td>
</tr>
</tbody>
</table>

8. Did your laboratory develop new vaccines for the designated pathogen or disease?
   
   No

9. Did your laboratory validate vaccines according to WOAH Standards for the designated pathogen or disease?
   
   No

### TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
    
    Yes

<table>
<thead>
<tr>
<th>NAME OF WOAH MEMBER COUNTRY SEEKING ASSISTANCE</th>
<th>DATE</th>
<th>WHICH DIAGNOSTIC TEST USED</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOMINICA DOMINICAN (REP)</td>
<td>2023-01-01</td>
<td>ASF PCR</td>
<td>384</td>
<td>0</td>
</tr>
<tr>
<td>HAITI</td>
<td>2023-12-01</td>
<td>ASF PCR</td>
<td>238</td>
<td>0</td>
</tr>
</tbody>
</table>

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAH Member?
    
    Yes

<table>
<thead>
<tr>
<th>NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY</th>
<th>PURPOSE</th>
<th>HOW THE ADVICE WAS PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOMINICAN (REP)</td>
<td>Provide technical and logistical support</td>
<td>In Person</td>
</tr>
</tbody>
</table>

### TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH Members other than the own?
    
    Yes

<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>PURPOSE OF THE STUDY</th>
<th>PARTNERS (INSTITUTIONS)</th>
<th>WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Partnership for Animal and Zoonotic Disease Surveillance (GPAZDS)</td>
<td>Ongoing</td>
<td>Sequencing and Bioinformatic analysis</td>
<td>9</td>
<td>CAMEROON GAMBIA GHANA NIGERIA PHILIPPINES SENEGAL UGANDA</td>
</tr>
</tbody>
</table>
African Center of Excellence for Genomics of Infectious Diseases (located in Nigeria) Implement of diagnostic sequencing and genomic surveillance of ASFV in Hispaniola  
ongoing  
Genomic sequencing and surveillance of ASFV in West Africa  
NIGERIA

Implement of diagnostic sequencing and genomic surveillance of ASFV in Hispaniola  
ongoing  
Diagnosis and genomic surveillance of ASFV  
Dominican Republic  
DOMINICAN (REP)

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?
No

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?
Yes

**IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:**

Dominican Republic Island wide ASF and CSF disease surveillance of domestic and feral pigs. Including premises in US Virgin Islands.
Whole genome sequencing was conducted on field specimens from the Dominican Republic ASF outbreak, information including animal location and testing data were also assembled.
Received ASF pos blood samples from the Dominican Republic to support FADDL’s diagnostic assay evaluations

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
No

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

2

b) International conferences:

0

c) National conferences:

3
Post presentation of ASF/CSF multiplex at the 2023 CRWAD meeting May 2-4, 2023 PPT presentation at Veterinary Services Puerto Rico Annual Work Conference October 9, 2023 PPT presentation at Caribbean Week of Agriculture: CARICOM Chief Veterinary Officer Workshop on African Swine Fever

d) Other (Provide website address or link to appropriate information):

1
PPT presentations on forums which we are invited and requested laboratory tours NVSL NAHLN African Swine Fever Laboratory Preparedness Week – June 12th – 15th, 2023, Manhattan, KS.
**TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?  
Yes  

a) Technical visit: 5  
b) Seminars: 2  
c) Hands-on training courses: 2  
d) Internships (>1 month): 0

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>NIGERIA</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>UGANDA</td>
<td>30</td>
</tr>
<tr>
<td>C</td>
<td>PHILIPPINES</td>
<td>50</td>
</tr>
</tbody>
</table>

**TOR8: QUALITY ASSURANCE**

18. Does your laboratory have a Quality Management System?  
Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 17043</td>
<td>refer to attached file 2526-08 2024.pdf</td>
</tr>
<tr>
<td>ISO 17025</td>
<td>refer to attached file 2526-04 2024.pdf</td>
</tr>
</tbody>
</table>

19. Is your quality management system accredited?  
Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASFV Antibody ELISA, IPT, PCR, VI</td>
<td>American Association for Laboratory Accreditation (AZLA)</td>
</tr>
</tbody>
</table>

20. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?  
Yes

**TOR9: SCIENTIFIC MEETINGS**

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAH?  
No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?  
No

**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?  
Yes

24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?  
No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?  
Yes

<table>
<thead>
<tr>
<th>PURPOSE OF THE PROFICIENCY TESTS</th>
<th>ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)</th>
<th>NO. PARTICIPANTS</th>
<th>PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASF Interlaboratory Comparison Test, CISA-INIA</td>
<td>Participant</td>
<td>1</td>
<td>CISA-INIA</td>
</tr>
</tbody>
</table>

26. Did your laboratory collaborate with other WOAH Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?
No

**TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?
   Yes

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Name of the Test</th>
<th>WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain Diagnostic performance quality in state diagnostic laboratories</td>
<td>Organizer</td>
<td>46</td>
<td>ASFV PCR</td>
<td>UNITED STATES OF AMERICA</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?
   No

29. Additional comments regarding your report:
   No