



GenEpi-BioTrain - Virtual training 4

20 - 24 Nov 2023

Poll results

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SESSION 1 – Q1 - In one word, how do you feel right now?

075



SESSION 1 – Q2 - Do you primarily work on avian influenza?

077

Yes



29 %

No but I am planning to



18 %

No but I would like to learn more about it



53 %

SESSION 1 – Q3 - How familiar are you with WGS-based detection of Influenza?

071

I am an expert



I have some solid background



I have some knowledge



I am completely green



SESSION 1 – Q4 - What is your main expertise?

081

Bioinformatician



25 %

Microbiologist



41 %

Epidemiologist



10 %

Other



25 %

075

SESSION 1 – Q5 - Which characteristics are typical of the influenza genome?

Non segmented.

☐ 1 %

Antigenic shift/reassortments ☒

☒ 87 %

Encodes for 29 proteins

☐ 3 %

single-stranded negative-strand RNA ☒

☒ 71 %

None of the above, I am new to the subject

☐ 4 %

SESSION 1 – Q6 - How familiar are you with the origin of the Gs/Gd lineage and the different clades?

073

I am very familiar



I am somewhat familiar



I had previously heard of the Gs/Gd viruses



I have never heard of origin of the Gs/Gd HPAIVs



SESSION 1 – Q7 - Would you like to see a short tutorial on how to visualise an alignment file using UGENE?

057

Yes



91 %

No



9 %

SESSION 1 – Q8 - What does “IRMA” acronym represent?

063

Influenza Reference based Mapping Algorithm

8 %

Iterative Refinement Meta-Assembler ✓

78 %

Interactive Reference based Mapping Approach

8 %

I am not so sure!

6 %

SESSION 1 – Q9 What type of file is NOT an output of IRMA?

059

Bam

 15 %

Fasta

 10 %

Insertion/deletion tables

 15 %

Coverage table

 8 %

None of the above ✓

 51 %

SESSION 2 – Q1 - What kind of birds mainly get tested in the passive surveillance?

(1/2)

0 4 6

Seabirds ✓



48 %

Waterfowl/Waterbirds ✓



70 %

Songbirds



17 %

Raptors ✓



22 %

I do not remember, but I know where to find the information.



13 %

SESSION 2 – Q1 - What kind of birds mainly get tested in the passive surveillance? (2/2)

0 4 6

I don't know

 9 %

SESSION 2 – Q2 What input file can be used in IRMA?

(1/2)

0 4 6

Fasta



Vcf



Zipped fastq ✓



Bam



Unzipped fastq ✓



SESSION 2 – Q2 What input file can be used in IRMA?

(2/2)

0 4 6

I am not sure



SESSION 2 – Q3 What input file can be used in IRMA?

039

Illumina

 15 %

Nanopore

 3 %

PacBio

 0 %

All of the above ✓

 82 %

SESSION 2 – Q4 - Which of the following epidemiological questions could you ask during an investigation?

(1/2)

0 4 0

Clinical sign ✓



Mortality ✓



Outdoor access ✓



Roads nearby ✓



Supermarkets nearby



SESSION 2 – Q4 - Which of the following epidemiological questions could you ask during an investigation?

(2/2)

0 4 0

Lakes/large puddled ✓



SESSION 2 – Q5 - Did Denmark have zoonotic cases of influenza?

0 3 4

Yes, both from swine and avian



Yes, only from swine ✓



Yes, only from avian



No



SESSION 2 – Q6 - Were the samples flagged to SSI as suspicious for zoonotic infection?

030

Yes



No ☒



SESSION 2 – Q7 - Which of the following surveillance measures are mandatory for avian influenza?

0 3 1

Passive surveillance in dead and moribund wild birds ✓



Active surveillance in wild birds



Active surveillance in domestic birds ✓



All of the above

