

File Name: Supplementary Data 1

Description: Number of samples collected for each group at each LBM visit.

File Name: Supplementary Data 2

Description: CZ ID pipeline QC and read trimming summary

File Name: Supplementary Data 3

Description: GenBank protein annotations for DIAMOND blastx results

File Name: Supplementary Data 4

Description: DIAMOND blastx results for each poultry and environmental contig assembled

File Name: Supplementary Data 5

Description: All genome sequences and associated metadata in this dataset are published in GISAID's EpiFlu database.

File Name: Supplementary Data 6

Description: Statistics summary of chicken oropharyngeal virus recapture rates in environmental samples (see Supplementary Fig. 9)

File Name: Supplementary Data 7

Description: Statistics summary of chicken cloacal virus recapture rates in environmental samples (see Supplementary Fig. 9)

File Name: Supplementary Data 8

Description: Statistics summary of duck oropharyngeal virus recapture rates in environmental samples (see Supplementary Fig. 10)

File Name: Supplementary Data 9

Description: Statistics summary of duck cloacal virus recapture rates in environmental samples (see Supplementary Fig. 10)

File Name: Supplementary Data 10

Description: Statistics summary of observed species alpha-diversity between groups (see Fig. 1B)

File Name: Supplementary Data 11

Description: Statistics summary of chao1 alpha-diversity between groups (see Supplementary Fig. 14)

File Name: Supplementary Data 12

Description: Statistics summary of simpson alpha-diversity between groups (see Supplementary Fig. 14)

File Name: Supplementary Data 13

Description: Statistics summary of shannon alpha-diversity between groups (see Supplementary Fig. 14)

File Name: Supplementary Data 14

Description: Statistics summary of comparing the total number of chicken oropharyngeal viruses detected between the groups (see Fig. 1C)

File Name: Supplementary Data 15

Description: Statistics summary of comparing the total number of chicken cloacal viruses detected between the groups (see Fig. 1D)

File Name: Supplementary Data 16

Description: Statistics summary of comparing the total number of duck oropharyngeal viruses detected between the groups (see Fig. 1E)

File Name: Supplementary Data 17

Description: Statistics summary of comparing the total number of duck cloacal viruses detected between the groups (see Fig. 1F)

File Name: Supplementary Data 18

Description: Pairwise PERMANOVA to determine statistically significant differences in virome composition between sample types

File Name: Supplementary Data 19

Description: Statistics summary of comparing the distance from the chicken oropharyngeal median centroid (see Fig. 2C)

File Name: Supplementary Data 20

Description: Statistics summary of comparing the distance from the chicken cloacal median centroid (see Fig. 2D)

File Name: Supplementary Data 21

Description: Statistics summary of comparing the distance from the duck oropharyngeal median centroid (see Fig. 2E)

File Name: Supplementary Data 22

Description: Statistics summary of comparing the distance from the duck oropharyngeal median centroid (see Fig. 2F)

File Name: Supplementary Data 23

Description: P values calculated when comparing the percentage viral contigs in chicken throat swabs that map to ES

File Name: Supplementary Data 24

Description: P values calculated when comparing the percentage viral contigs in chicken cloacal swabs that map to ES

File Name: Supplementary Data 25

Description: P values calculated when comparing the percentage viral contigs in duck throat swabs that map to ES

File Name: Supplementary Data 26

Description: P values calculated when comparing the percentage viral contigs in duck cloacal swabs that map to ES

File Name: Supplementary Data 27

Description: Statistics summary of comparing the number of chicken oropharyngeal virus genes between groups (see Supplementary Fig. 25)

File Name: Supplementary Data 28

Description: Statistics summary of comparing the number of chicken cloacal virus genes between groups (see Supplementary Fig. 25)

File Name: Supplementary Data 29

Description: Statistics summary of comparing the number of duck oropharyngeal virus genes between groups (see Supplementary Fig. 26)

File Name: Supplementary Data 30

Description: Statistics summary of comparing the number of duck cloacal virus genes between groups (see Supplementary Fig. 26)

File Name: Supplementary Data 31

Description: Statistics summary of comparing the total number of duck oropharyngeal virus genes between groups (see Supplementary Fig. 30)

File Name: Supplementary Data 32

Description: Statistics summary of comparing the total number of duck cloacal virus genes between groups (see Supplementary Fig. 30)

File Name: Supplementary Data 33

Description: Statistics summary of comparing the total number of chicken oropharyngeal virus genes between groups (see Supplementary Fig. 31)

File Name: Supplementary Data 34

Description: Statistics summary of comparing the total number of chicken cloacal virus genes between groups (see Supplementary Fig. 31)

File Name: Supplementary Data 35

Description: Statistics summary of comparing the total number of contig pairs which align to chicken oropharyngeal virus genes (see Supplementary Fig. 37)

File Name: Supplementary Data 36

Description: Statistics summary of comparing the total number of contig pairs which align to chicken cloacal virus genes (see Supplementary Fig. 37)

File Name: Supplementary Data 37

Description: Statistics summary of comparing the total number of contig pairs which align to duck oropharyngeal virus genes (see Supplementary Fig. 38)

File Name: Supplementary Data 38

Description: Statistics summary of comparing the total number of contig pairs which align to duck cloacal virus genes (see Supplementary Fig. 38)