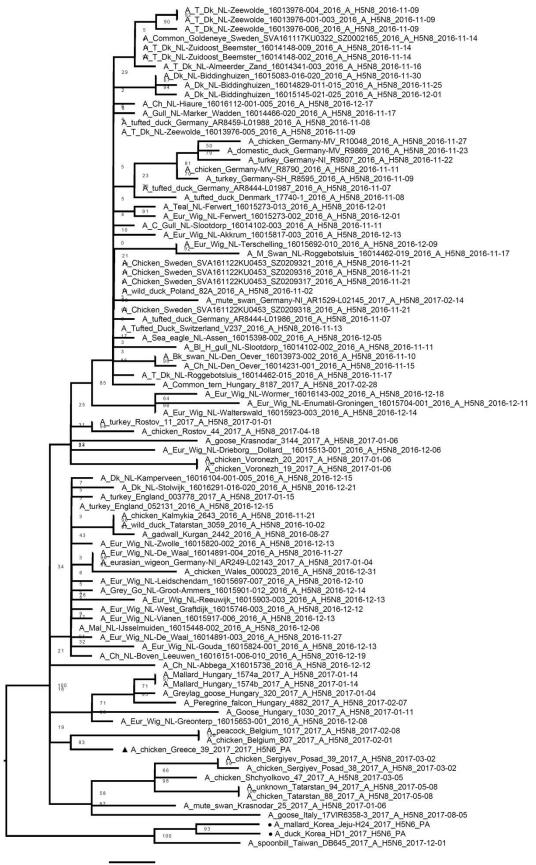
Supplementary Fig S2. (A) PB2



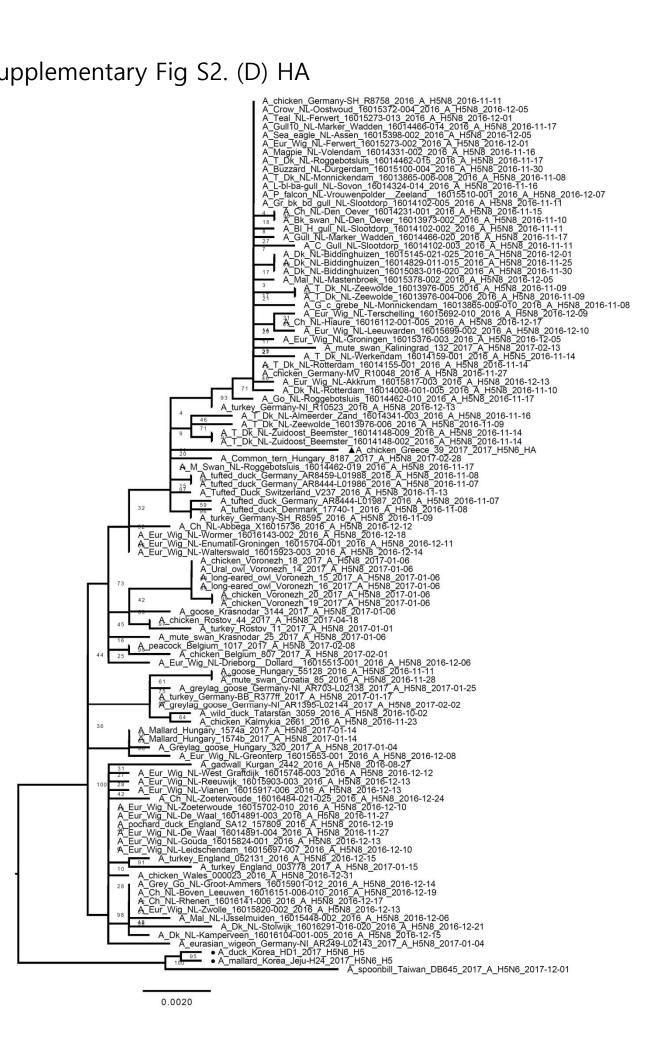
Supplementary Fig S2. (B) PB1



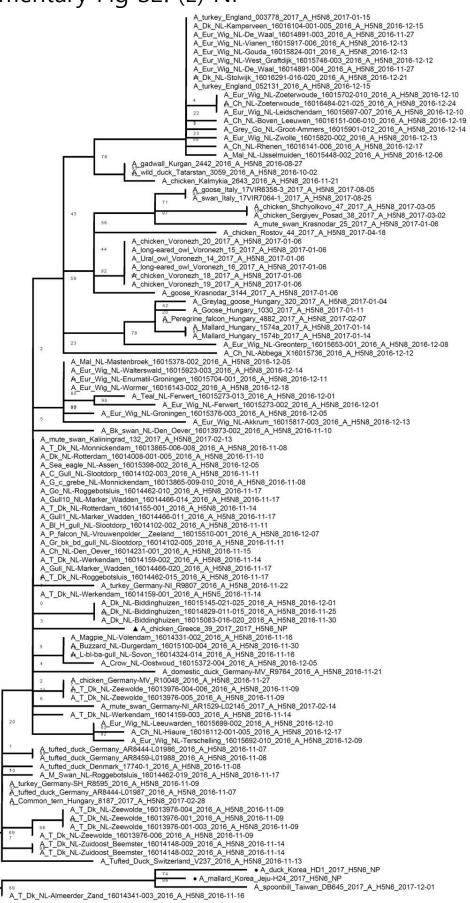
Supplementary Fig S2. (C) PA



Supplementary Fig S2. (D) HA



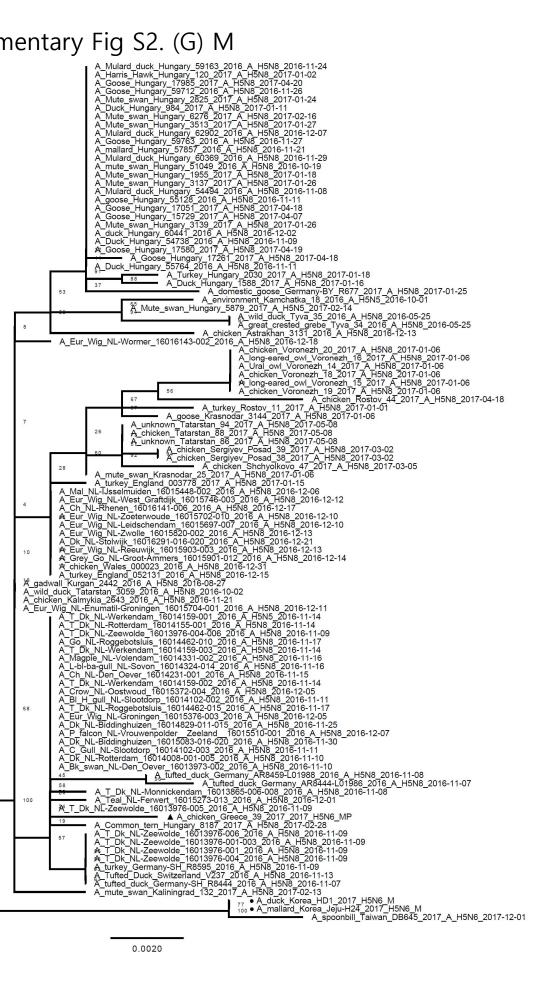
Supplementary Fig S2. (E) NP



Supplementary Fig S2. (F) NA



Supplementary Fig S2. (G) M



Supplementary Fig S2. (H) NS

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A goose Italy_17VIR6358-3_2017_A H5N8_2017-08-05
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A_chicken_Hungary_59048_2016_A_H5N8_2016-11-25
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A_Goose_Hungary_17261_2017_A_H5N8_2017-02-16
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A Gusse Hungary 55128 2016 A Hole 2016-11-11
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A gusse Hungary 55128 2016 A Hole 2016-11-11
A mute swan czech Republic 55-17 . 2017
A mute swan czech Republic 55-17 . 2017
A mute swan czech Republic 35-17 . 12017
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A chicken Hungary 2496 2017 A Hole 2017-01-02
A Chicken Hungary 1751 2017 A Hole 2017-01-04
A Chicken Hungary 1751 2017 A Hole 2017-01-17
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A mallard Hungary 1751 2017 A Hole 2017-01-17
A mallard Hungary 1751 2017 A Hole 2017-01-17
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A domestic goose German Py R677 2017 A Hole 2017-01-18
A domestic goose German Py R677 2017 A Hole 2017-01-18
A domestic goose German Py R677 2017 A Hole 2017-01-19
A duck Hungary 6104 1 2016 A Hole 2017-01-19
A Harris hawk Hungary 2762b 2017 A Hole 2017-01-19
A Harris hawk Hungary 2762b 2017 A Hole 2017-01-19
A Harris hawk Hungary 2762b 2017 A Hole 2017-01-124
A Harris hawk Hungary 2762b 2017 A Hole 2017-01-124
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A Harris hawk Hungary 188 2017-01-16
A Mute swan Hungary 2825 2017 A Hole 2017-01-16
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A Chicken Belgium 307 2017 A Hole 2016 A Hole 2017-01-16
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A Chicken Belgium 307 2017 A Hole 2016 A Hole 2016 A Hole 2017-01-14
A Chicken Belgium 307 2017 A Hole 2016 A Hole 2016 A Hole 2017-01-14
A Chicken Belgium 307 2017 A Hole 2016 A Hole 2016 A Hole 2016 A Hole 2016 A Hole 2017-01-14
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A Chicken Belgium 308 2017 A Hole 2016 A Hole 2017-01-14
A Chicken Belgium 308 2017 A Hole 2016 A 
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A_unknown_Tatarstan_86_2017_A_H5N8_2017-05-08
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