**Table S5. Transmission of H3N2 reassortant viruses in dogs**

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|  | Inoculated Animals | Contacted Animals |
| Virus | No. with virusdetection(peak titer mean log10EID50/ml)‡ | No. with seroconversion(HI titer range)§ | Time of first infection (dpi) | No. with virus detection(peak titer mean log10EID50/ml)‡ | No. with seroconversion(HI titer range)§ |
| BJ15 | 3/3(4.17) | 3/3(320-640) | 4 | 3/3(3.58) | 3/3(160-320) |
| HaiN/19 | 3/3(6.17) | 3/3(1280) | 2 | 3/3(6.15) | 3/3(320-640) |
| rgHaiN19PB2 | 3/3(3.5) | 3/3(320) | 6 | 3/3(3.25) | 3/3(160-320) |
| rgHaiN19PB1 | 3/3(5.75) | 3/3(320-640) | 2 | 3/3(5.5) | 3/3(320) |
| rgHaiN19PA | 3/3(4.25) | 3/3(320) | 4 | 3/3(4.25) | 3/3(160-320) |
| rgHaiN19HA | 3/3(6.15) | 3/3(640) | 2 | 3/3(5.75) | 3/3(640) |
| rgHaiN19NP | 3/3(4.5) | 3/3(160-320) | 4 | 3/3(3.5) | 3/3(160) |
| rgHaiN19NA | 3/3(4.25) | 3/3(320) | 4 | 3/3(3.25) | 3/3(160-320) |
| rgHaiN19M | 3/3(4.75) | 3/3(320-640) | 4 | 3/3(3.5) | 3/3(160-320) |
| rgHaiN19NS | 3/3(4.35) | 3/3(320) | 4 | 3/3(4.2) | 3/3(160-320) |

‡Number of animals in which virus was detected in nasal swabs. Values in parentheses indicate nasal swab titers, which are expressed as mean log10 peak virus titer observed within the first 9 dpi.

§Number of animals in which seroconversion was observed. Values in parentheses show HI antibody titers in sera collected at 21 dpi. HI titers were determined using the homologous virus as test antigen.