**S3 Table. Spatial clusters within potential between-farm transmission cases.** Total number of farms and number of infected farms located within spatial clusters per poultry type. Spatial cluster analysis was performed for each potential between-farm transmission case separately using the Bernoulli probability model (p<0.05). All samples were collected as part of the national AI surveillance program in the Netherlands between January 2006 and September 2016.

| Potential case | Spatial cluster (p<0.05) † | Cluster radius (km) | Total no. of farms | Total no. of chicken farms | Total no. of turkey farms | Total no. of duck farms | No. of infected farms | No. of infected chicken farms | No. of infected turkey farms | No. of infected duck farms | No. of seropositive farms | No. of viropositive farms |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H7N7-2006 | A | 0.1 | 3 | 3 | | | 2 | 2 | | | 2 | |
| H1N5-2007 | B | 3.0 | 25 | 16 | 9 | | 6 | | 6 | | 4 | 2 |
| H10N7-2009 | C | 0.3 | 4 | 3 | 1 | | 2 | 1 | 1 | | | 2 |
| H6N1-2010 | D | 4.4 | 5 | 4 | | 1 | 3 | 3 | | | 1 | 2 |
| H7N7-2011 | E | 2.7 | 3 | 2 | 1 | | 2 | 1 | 1 | | | 2 |
| H8N4-2011 | F | 0.9 | 10 | 9 | | 1 | 5 | 4 | | 1 | 4 | 1 |
| H10N9-2012 | G | 5.9 | 90 | 75 | 14 | 1 | 7 | 2 | 5 | | 4 | 3 |
| H6N8-2012 | H | 0.5 | 2 | 2 | | | 2 | 2 | | | 2 | |
| H8N4-2012 | I | 2.1 | 5 | 3 | 2 | | 2 | | 2 | | 2 | |
| H9N2-2015 | J | 0.8 | 8 | 8 | | | 3 | 3 | | | 3 | |
| **Total** | | | 155 | 125 | 27 | 3 | 34 | 18 | 15 | 1 | 22 | 12 |

† The capital letters refer to close-up maps of spatial clusters presented in Fig 1.