

Datasets S1: Part of the collated datasets using in this study

	laying rate _-4	laying rate _-3	laying rate _-2	laying rate _-1	laying rate _0	mortality _-4	mortality _-3	mortality _-2	mortality _-1	mortality _0	H9N2 status 0	H9N2 status 1	H9N2 status 2
1	97.1	97.1	96.3	95.5	95.5	0.02	0.03	0.03	0.03	0.02	0	0	0
2	97.1	96.3	95.5	95.5	95.6	0.03	0.03	0.03	0.02	0.04	0	0	0
3	96.3	95.5	95.5	95.6	95.6	0.03	0.03	0.02	0.04	0.02	0	0	0
4	95.5	95.5	95.6	95.6	96	0.03	0.02	0.04	0.02	0.04	0	0	0
5	95.5	95.6	95.6	96	96	0.02	0.04	0.02	0.04	0.05	0	0	0
6	95.6	95.6	96	96	94	0.04	0.02	0.04	0.05	0.05	0	0	0
7	95.6	96	96	94	92.4	0.02	0.04	0.05	0.05	0.06	0	0	0
8	96	96	94	92.4	91	0.04	0.05	0.05	0.06	0.08	0	0	1
9	96	94	92.4	91	90.5	0.05	0.05	0.06	0.08	0.1	0	1	1
10	94	92.4	91	90.5	89.2	0.05	0.06	0.08	0.1	0.05	1	1	1
11	92.4	91	90.5	89.2	87.6	0.06	0.08	0.1	0.05	0.05	1	1	1
12	89.2	87.6	87.4	88.3	89	0.05	0.05	0.05	0.05	0.03	1	1	1
13	87.6	87.4	88.3	89	89.7	0.05	0.05	0.05	0.03	0.05	1	1	1
14	87.4	88.3	89	89.7	90.3	0.05	0.05	0.03	0.05	0.03	1	1	1
15	89.7	90.3	91.3	92.1	92.3	0.05	0.03	0.03	0.03	0.03	1	1	1
16	90.3	91.3	92.1	92.3	92.8	0.03	0.03	0.03	0.03	0.03	1	1	0
17	91.3	92.1	92.3	92.8	93.2	0.03	0.03	0.03	0.03	0.02	1	0	0
18	92.1	92.3	92.8	93.2	92.4	0.03	0.03	0.03	0.02	0.04	0	0	0
19	94.34	94.3	94.26	94.29	94.15	0.03	0.04	0.03	0.03	0.03	0	0	0
20	94.3	94.26	94.29	94.15	94.15	0.04	0.03	0.03	0.03	0.04	0	0	0

For the result to be practical for field scientists and researchers without bioinformatic/machine learning skills, we take "part of the collated datasets using for prediction model development in this study" as an example to help readers easily understand how to prepare the datasets directly used to input the model.