

# **Supplementary Material**

## **Spatial Suitability Evaluation of Livestock and Poultry**

### **Breeding: A Case Study in Wangkui County,**

### **Heilongjiang Province, China**

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**Table S1** Descriptive statistics for indexes value of evaluation units

No.	Index	Original value				Standardized value		
		Unit	Minimum	Maximum	Mean	Minimum	Maximum	Mean
1	Na1	°	0	48.61	1.93	0	3.6	3.29
2	Na2	---	---	---	---	1.44	3.6	2.43
3	Hu1	---	---	---	---	0	25.28	5.29
4	Hu2	km	0	5.59	1.39	0	5.06	1.25
5	Ec1	%	0	100	1.3	0	19.26	19
6	Ec2	km	0.15	34.98	15.36	0	6.41	3.66
7	Ec3	km	0	11.81	1.65	0	6.43	4.33
8	En1	km	0.17	5.39	0.94	0	11.73	7.48
9	En2	km	0	45.69	16.3	0	10.56	6.81
10	En3	km	0.03	9.57	2.63	0	3.36	0.91
11	En4	km	0	0.2	0.07	0	3.06	2.94
12	En5	km	0	2.55	0.3	0	1.63	1.44

**Table S2** The  $y_i$  means of indexes for the evaluation units included in each cluster

Clustering code	$y_i\_Na1$	$y_i\_Na2$	$y_i\_Hu1$	$y_i\_Hu2$	$y_i\_Ec1$	$y_i\_Ec2$	$y_i\_Ec3$	$y_i\_En1$	$y_i\_En2$	$y_i\_En3$	$y_i\_En4$	$y_i\_En5$
C01	92.93	88.72	19.06	20.34	55.90	61.52	74.46	31.87	71.34	14.72	96.86	88.96
C02	92.79	100.00	19.48	26.00	100.00	73.87	86.30	90.36	84.28	20.78	99.66	87.97
C03	98.69	58.50	19.35	18.32	99.91	69.65	7.22	80.42	80.59	17.85	99.65	86.99
C04	99.18	40.06	19.83	23.06	99.98	65.02	88.92	78.16	79.35	18.40	99.88	75.85
C05	96.90	84.80	20.26	27.26	100.00	57.11	71.74	71.19	75.02	25.46	99.32	57.06
C06	95.17	100.00	20.18	21.89	99.87	68.51	76.99	0.48	82.73	22.12	99.42	91.94
C07	90.34	43.91	20.23	22.62	99.99	70.96	77.61	3.13	73.25	14.55	99.24	92.30
C08	79.42	40.17	19.58	23.20	99.99	69.80	89.82	85.60	70.65	21.56	99.78	89.97
C09	98.95	52.31	19.45	44.38	99.93	63.00	81.40	88.23	80.46	30.40	99.79	91.00
C10	99.96	40.00	19.75	16.45	100.00	62.86	90.73	85.41	71.23	30.77	99.92	88.23
C11	98.64	78.42	21.31	51.76	99.88	59.43	70.68	0.00	81.70	25.77	98.72	92.26
C12	94.54	73.72	43.33	30.17	100.00	65.34	72.26	55.31	78.80	25.90	77.29	98.48
C13	79.10	61.64	19.30	24.17	100.00	82.38	0.85	68.79	55.32	19.80	99.56	93.21
C14	79.55	67.92	19.47	19.63	100.00	65.70	81.91	88.48	62.03	46.06	99.76	89.15
C15	91.96	62.56	19.12	15.29	100.00	58.37	73.75	2.15	68.32	43.30	99.65	90.40
C16	99.87	78.30	19.85	19.82	100.00	58.71	84.50	84.94	69.48	47.67	99.89	84.42
C17	97.22	65.49	20.00	17.16	100.00	50.71	1.86	69.94	63.02	33.84	99.81	88.42
C18	94.37	68.00	0.13	23.03	100.00	53.55	59.29	57.03	63.53	28.49	53.35	85.64
C19	64.66	81.59	23.58	21.43	100.00	83.56	75.02	46.63	48.61	32.03	95.53	96.48
C20	79.89	53.62	19.42	18.77	99.71	44.16	49.15	84.48	45.59	17.87	99.65	91.73
C21	99.45	77.34	19.56	21.19	99.93	34.29	76.35	87.50	48.95	18.72	99.83	87.31
C22	86.39	66.63	43.89	27.62	100.00	41.84	63.96	53.62	46.22	29.78	79.45	97.68

C23	58.38	64.24	22.56	23.57	100.00	49.87	82.77	42.57	44.58	21.85	97.92	95.72
C24	82.77	45.18	19.79	41.51	100.00	44.34	82.79	39.76	50.29	39.96	99.91	91.34
C25	94.69	85.59	19.61	28.03	99.96	27.03	60.11	1.46	41.50	21.01	99.77	91.81
C26	89.27	53.40	18.77	36.26	100.00	19.73	65.93	75.66	24.76	38.02	98.69	87.39