

1 **Additional file 1**

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3 **Table S1.** Serosurveillance in the wild birds along the movement areas of Asian

4 Openbills.

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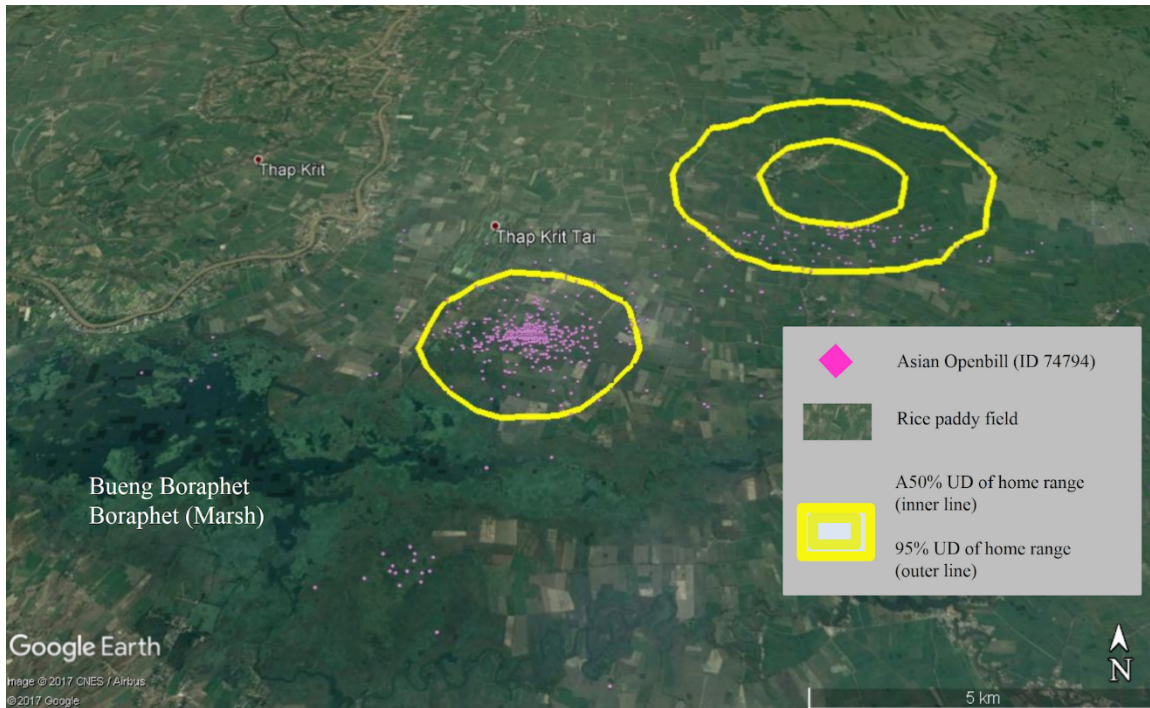
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Family	Antibody titer						Total
	2008			2009			
	≤ 20	≥ 40	Sum	≤ 20	≥40	Sum	
Alcedinidae	0	0		1	0	1	1
Anatidae	53	0	53	0	0		53
Artamidae	1	1	2	0	0		2
Ardeidae	13	0	13	2	0	2	15
Columbidae	25	0	25	2	0	2	27
Coraciidae	1	0	1	0	0		1
Cuculidae	4	0	4	2	0	2	6
Dicruridae	2	0	2	1	0	1	3
Jacanidae	1	0	1	0	0		1
Passeridae	2	0	2	8	0	8	10
Phalacrocoracidae	1	0	1	0	0		1
Ploceidae	0	0		20	0	20	20
Pycnonotidae	12	3	15	7	0	7	22
Raillidae	0	0		1	0	1	1
Sturnidae	13	0	13	10	0	10	23
Sylviidae	3	0	3	10	0	10	13
Turdidae	1	0	1	6	0	6	7
Total	132	4	136	70	0	70	206

Streak-eared bulbuls (family Pycnonotidae) from Nakhon Sawan province and 1 Ashy woodswallow from Bang Len (family Artamidae), Nakhon Pathom province were positive for AI antibody in 2008 (Table S1). No seropositive bird has been detected since 2009.



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41 **Fig. S1** The rice farming area nearby the large fresh marsh, the major habitat of the Asian
42 Openbills.

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44 The Asian Openbills foraged in the provinces of the top 10 rice farming in Thailand
45 e.g., Phra Nakhon Si Ayutthaya, Suphan Buri, Nakhon Pathom, Chai Nat, Nakhon Sawan,
46 Phichit provinces (data from Department of Agriculture Extension, Ministry of Agriculture and
47 Cooperatives). From the satellite tracking, the birds ID 74794 and 74799 foraged around
48 Nakhon Sawan and Pichit provinces where the rice paddy fields and the apple snails were
49 plenty. The big colonies of Openbills were found around Bueng Boraphet water reservoir in
50 Nakhon Sawan province during the study period (Fig. S1).