

Social structure and demography of a remnant Asian elephant *Elephas maximus* population and the implications for survival

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SUPPLEMENTARY TABLE 1 Sex and ages classes of individual elephants photographed at camera traps in Nangunhe National Nature Reserve (Fig. 1).

Elephant ID	Sex	Age class
C02	Unknown	Infant
C04	Unknown	Infant
C05	Unknown	Newborn
C06	Unknown	Newborn
F01	Female	Adult
F02	Female	Adult
F03	Female	Adult
F04	Female	Adult
F05	Female	Adult
F06	Female	Adult
F07	Female	Adult
F08	Female	Adult
J01	Male	Juvenile
J02	Male	Juvenile
J03	Male	Juvenile
M01	Male	Adult

SUPPLEMENTARY TABLE 2 Encounter matrix between elephants in Nangunhe National Nature Reserve, showing the number of occasions on which individuals were captured on camera trap images within 15 minutes of each other (after Head et al, 2013; see Methods).

	C02	C04	C05	C06	F01	F02	F03	F04	F05	F06	F07	F08	J01	J02	J03	M01
C02	-															
C04		-														
C05			-													
C06		4	2	-												
F01					-											
F02	1					-										
F03							-									
F04		4	2	4				-								
F05		3	2	3					-							
F06		4	2	4				3	2	-						
F07											-					
F08												-				
J01		4	2	4				4	3	4			-			
J02		3	2	3				3	2	3			3	-		
J03		4	2	4				4	3	4			4	3	-	
M01		1	1	1				1	1	1			1	1	1	-

SUPPLEMENTARY TABLE 3 Individual elephant camera trapping capture histories in Nangunhe National Nature Reserve, by date and camera ID (see also accumulation curve, Supplementary Fig. 1). Elephant IDs indicate sex of adults ('M' or 'F' prefixes referring to males and females respectively), with juveniles and calves denoted with 'J' and 'C' prefixes respectively.

Camera ID	May					June							Total		
	22	25	28	29	30	31	02	03	08	09	15				
Elephant ID	5	1	3	6	2	5	2	2	6	5	4	2	2	3	
C02										1					1
C04			1				1	1				1			4
C05			1									1			2
C06			1				1	1				1			4
F01	1			1		1			2		1			1	7
F02										1					1
F03		1													1
F04			1				1	1				1	1		5
F05			1					1				1			3
F06			1				1	1				1	1		5
F07												1			1
F08													1		1
J01			1				1	1				1			4
J02			1				1	1				1			4
J03			1				1	1				1			4
M01			1		1		1	1							4
Total	1	1	10	1	1	1	8	9	2	2	1	10	3	1	51

SUPPLEMENTARY FIG. 1 Accumulation curve for number of individual elephants encountered in Nangunhe National Nature Reserve in camera trapping during May–June 2017.

