

SUPPLEMENTARY MATERIAL

Supplemetnary table 1. Bones recovered from each level of Pingfo I, classified according to the element of the skeleton and the ontogenetic stage.

PINGFO I	Level 1				Level 2				Level 3				Level 4			
	SC	LC	J	A	SC	LC	J	A	SC	LC	J	A	SC	LC	J	A
cranial fragment		1				1								2		
bill fragment																
Humerus		3								1	1					
radius/ulna				1		3		1								
carpometacarpus												1				
metacarpal								2								
wing phalanx																
wing bone				1								2				
femur						7	1									
femur end																
femur shaft																
fibula							1			1						
patella							1			2						
tibiotarsus						2										
tibiotarsal end		1		1												
tibiotarsal shaft																
tarsometatarsus															1	

metatarsal		2				2				1				2		
tarsometat end																
pedal phalanx	2									1				3		
ungual phalanx						3				1				2		
vertebra		17		4		1				5		1		1		
synsacrum						1										
coracoid				1		4						1				
scapula				1		3										
furcula						1										
sternum							1									
rib														1		
pelvis								1								

PINGFO I	Level 5				Level 6				Level 7			
	SC	LC	J	A	SC	LC	J	A	SC	LC	J	A
cranial fragment										1		
bill fragment										1	1	
humerus							2			3	1*	
radius/ulna						1					3*	
carpometacarpus											1*	
metacarpals												
wing phalange											3*	
wing bone												
femur						3				2	3	

femur end										3		
femur shaft												
fibula												
patella										1		
tibiotarsus												
tibiotarsal end		1								3	1	
tibiotarsal shaft										13		
tarsometatarsus							1					
metatarsal					1		1		3	3	1	
tarsometatarsus end												
pedal phalanx				8				1		3		
ungual phalanx							3					
vertebra	1					6				11		
synsacrum										2		
coracoid										7		
scapula								1				
furcula												
sternum												
rib												
pelvis												

Abbreviations: SC small chicks, LC large chicks, J juveniles, A adults, *includes the elements of the articulated wing Pingfo I-151.

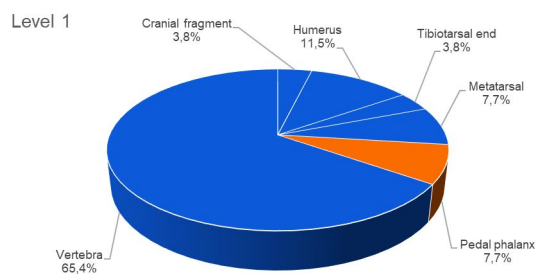
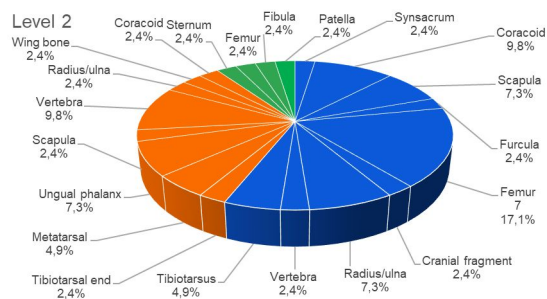
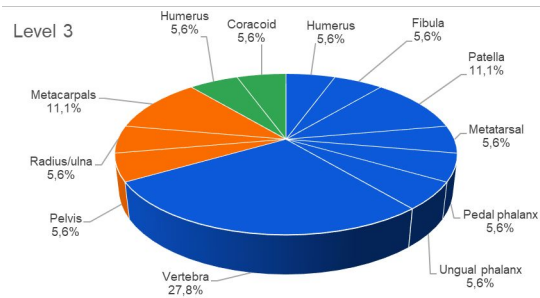
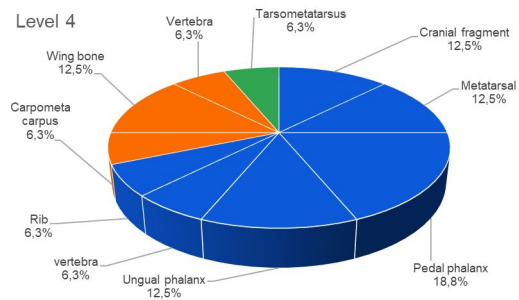
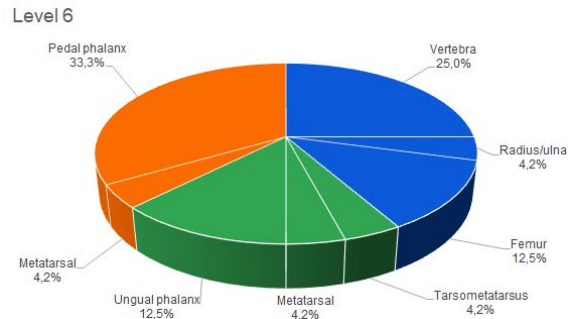
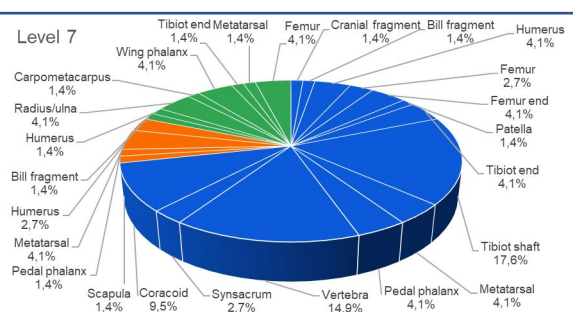
Supplementary table 2. Bones recovered from each level of Pingfo 2, classified according to the element of the skeleton and the ontogenetic stage.

PINGFO II	Level 3				Level 4				Surficial dep			
	SC	LC	J	A	SC	LC	J	A	SC	LC	J	A
cranial fragment												
bill fragment									1		1	
humerus			1							1	9	
radius/ulna			1							2		
carpometacarpus			1						1			
metacarpals												
wing phalange												
wing bone												
femur											2	
femur end										4		
femur shaft												
fibula												
patella											1	
tibiotarsus												
tibiotarsal end										2	1	2
tibiotarsal shaft												
tarsometatarsus											1	
metatarsal										1		
tarsometatarsal end												
pedal phalanX											1	
ungual phalanx												
vertebra											4	
synsacrum										1		F
coracoid								1		8	1	8

Scapula												
furcula												
sternum									1			1
rib									1			2
pelvis										1		F
hind bones												2f

Abbreviations: SC small chicks, LC large chicks, J juveniles, A adults, f flying birds.

Supplementary figure. Proportion of penguin bones recovered from each level of Pingfo 2, classified according to the element of the skeleton and the ontogenetic stage. Level 5 was not graphically represented given the low number of specimens collected there.



■ small chick
 ■ large chick
 ■ juvenile