

Supplementary material to

Age, growth and population structure of the African cuttlefish *Sepia bertheloti* based on beak microstructure

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Table S1. Dorsal mantle length (DML) growth rates for each hatching groups (spring, summer, autumn and winter) of *Sepia bertheloti* males and females in Morocco. G: instantaneous relative growth rate (% DML d⁻¹); AGR: absolute growth rate (mm d⁻¹). $\bar{X}$: average; SD: standard deviation.

MOROCCO			
Age class (Days)	Dorsal Mantle Length (mm)	G	AGR
	$\bar{X} \pm SD$		
Spring group			
Females			
101-190	70.0± 0.00	-	-
191-280	94.50±16.26	0.52386863	0.45679012
Males			
101-190	98.67±6.35	-	-
191-280	110.00±0.00	0.07260342	0.07692308
281-370	120.00±0.00	0.3625474	0.41666667
>371	140.00±0.00	0.11251874	0.1459854
Summer group			
Females			
101-190	77.50±17.68		
191-280	101.67±18.03	0.57342581	0.51056338
Males			
101-190	67.00±8.19		
191-280	100±0.00	0.50908165	0.41949153
281-370	124.00±8.72	0.13998571	0.15618221
>371	133.00±0.00	0.25634474	0.32926829
Autumn group			
Females			
101-190	60.00±0.00		
191-280	103.40±15.14	0.39439159	0.31449275
Males			
191-280	109.50±9.89		
281-370	120.00±0.00	0.14477027	0.16600791
>371	138.00±00	0.12705631	0.16363636
Winter group			
Females			
101-190	90.20±14.15		
191-280	94.75±15.00	0.13651156	0.12621359
Males			
101-190	93.00±10.87		
191-280	108.46±11.06	0.32374886	0.32546267
281-370	130.00±0.00	0.17065379	0.20291096

Table S2. Dorsal mantle length (DML) growth rates for each hatching groups (spring, summer, autumn and winter) of *Sepia bertheloti* males and females in Guinea-Bissau. G: instantaneous relative growth rate (% DML d⁻¹); AGR: absolute growth rate (mm d⁻¹). $\bar{X}$: average; SD: standard deviation.

GUINEA-BISSAU			
Age class (Days)	Dorsal Mantle Length (mm)	G	AGR
	$\bar{X} \pm SD$		
Spring group			
Females			
101-190	98.30±13.56		
191-280	105.38±13.11	0.10910736	0.1110675
Males			
101-190	90.00±16.20		
191-280	120.86±11.25	0.43239325	0.45259298
>371	167.00±6.56	0.16203953	0.23120974
Summer group			
Females			
<100	72.00±0.00		
101-190	90.33±10.50	0.29332812	0.23706897
191-280	95.00±0.00	0.15906429	0.14736842
Males			
101-190	81.89±10.87		
191-280	102.50±3.54	0.41875551	0.38445596
281-370	150.33±8.50	0.28977976	0.36191677
>371	170.00±0.00	0.16539469	0.26457399
Autumn group			
Females			
101-190	60.00±0.00		
191-280	110.00±0.00	0.34244961	0.28248588
Males			
191-280	137.00±7.77		
281-370	149.67±7.62	0.13424264	0.19228916
>371	164.00±1.41	0.11792299	0.18481375
Winter group			
Females			
101-190	98.00±14.14		
191-280	112.00±12.18	0.23987675	0.25149701
281-370	129.25±16.40	0.27113497	0.32649842
Males			
101-190	126.75±15.13		
191-280	135.53±10.38	0.14768766	0.19360764
281-370	141.57±18.37	0.05558187	0.07699781

Figure S1. An example of a discarded beak from the analysis due to malformations.

