

Supplementary Table S1. Determination coefficients of morphometric traits on body weight in *S. sciistius* (N = 104)

Traits	Σ	CPD	TL
CPD	0.659	0.269	0.389
TL	0.157		0.157
Total	0.816		

Supplementary Table S2. Analysis of variance of the multiple regression equation

Index	Sum of squares	df	Mean square	<i>F</i>	P
Regression					
analysis	1938.877	2	969.438	223.222	0.000
Residual	438.637	101	4.343		
Total	2377.514	103			

Supplementary Table S3. Parameter estimates and model summary for curve fitting of CPD and TL on body weight.

Predictor	Regression				Constant	Coefficient	Coefficient
	Model	R ²	F	P	(b0)	(b1)	(b2)
CPD	Linear	0.797	405.861	0.000	-10.203	20.939	
	Logarithmic	0.714	258.632	0.000	10.798	16.41	
	Quadratic	0.856	300.57	0.000	5.319	20.957	-16.134
	Power	0.850	583.369	0.000	10.065	2.466	
	S-curve	0.846	568.195	0.000	4.171	-1.862	
	Exponential	0.814	450.528	0.000	0.525	2.917	
TL	Linear	0.785	377.894	0.000	-14.33	2.596	
	Logarithmic	0.694	234.151	0.000	-33.761	19.598	
	Quadratic	0.859	315.126	0.000	8.692	0.33	-3.018
	Power	0.865	703.966	0.000	0.01	3.027	
	S-curve	0.846	565.524	0.000	4.556	-21.936	
	Exponential	0.867	579.515	0.000	0.27	0.372	