

Supplementary MaterialTable S1. Age estimation of East Asian fourfinger threadfin *Eleutheronema rhadinum* based on the age-length equations from Su et al., 2020.

ID	Fork length	Growth functions		
		Linear (day)	Gompertz (day)	von Bertalanffy (day)
FZER_17	41.3	524	524	528
FZER_18	43.5	552	564	562
FZER_20	42.6	541	547	548
FZER_21	44.6	566	586	580
FZER_23	44.9	570	593	585
FZER_24	43.4	551	562	560
FZER_25	40.5	514	511	515
FZER_26	42.1	534	538	540
FZER_27	40	507	502	508
FZER_28	43.1	547	556	556
ZHER_5	47.4	602	652	627
ZHER_6	46.8	595	637	616
ZHER_7	45	572	595	586
ZHER_8	43.5	552	564	562
ZHER_9	42	533	536	538
ZHER_10	46.5	591	629	611
ZHER_11	49	623	699	655
ZHER_12	48.4	615	680	644
ZHER_13	47.2	600	647	623
ZHER_14	45.2	574	599	590
ZHER_15	50.5	642	752	682
ZHER_16	46.8	595	637	616

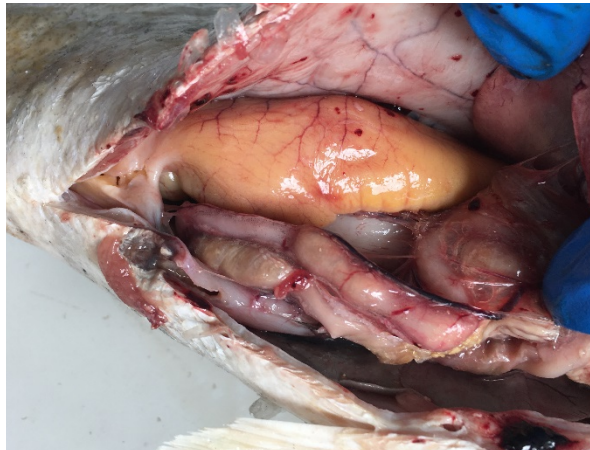


Fig. S1. Example of female gonad morphology of East Asian fourfinger threadfin *Eleutheronema rhadinum*. All specimens used in this study were female with age 1+.

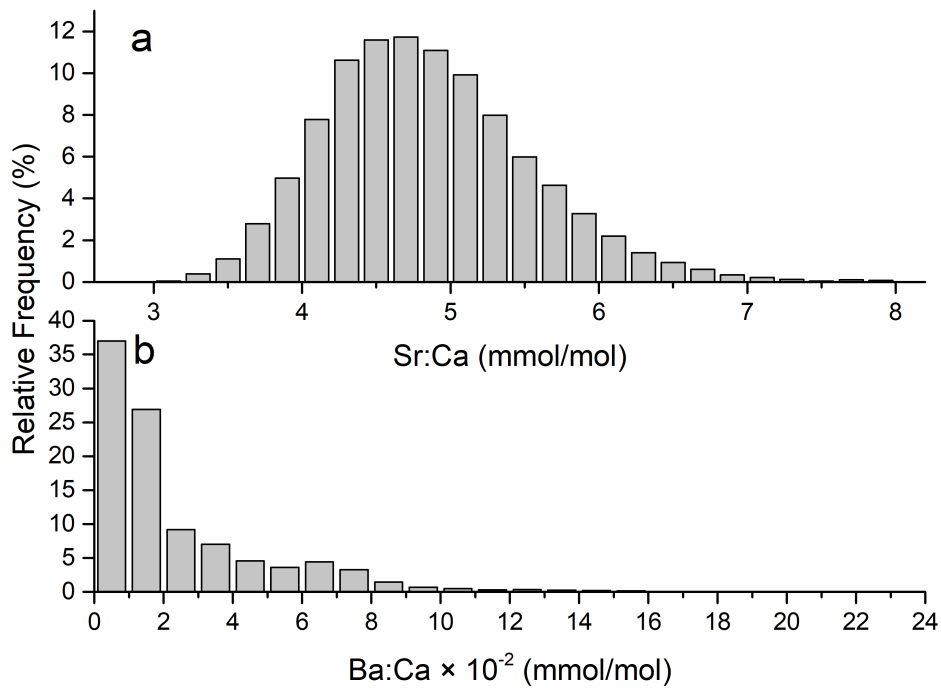


Fig. S2. Relative frequency histogram of the otolith Sr:Ca (a) and Ba:Ca (b) ratios in East Asian fourfinger threadfin *Eleutheronema rhadinum* ($n = 22$) collected from the East China Sea and South China Sea in 2019.

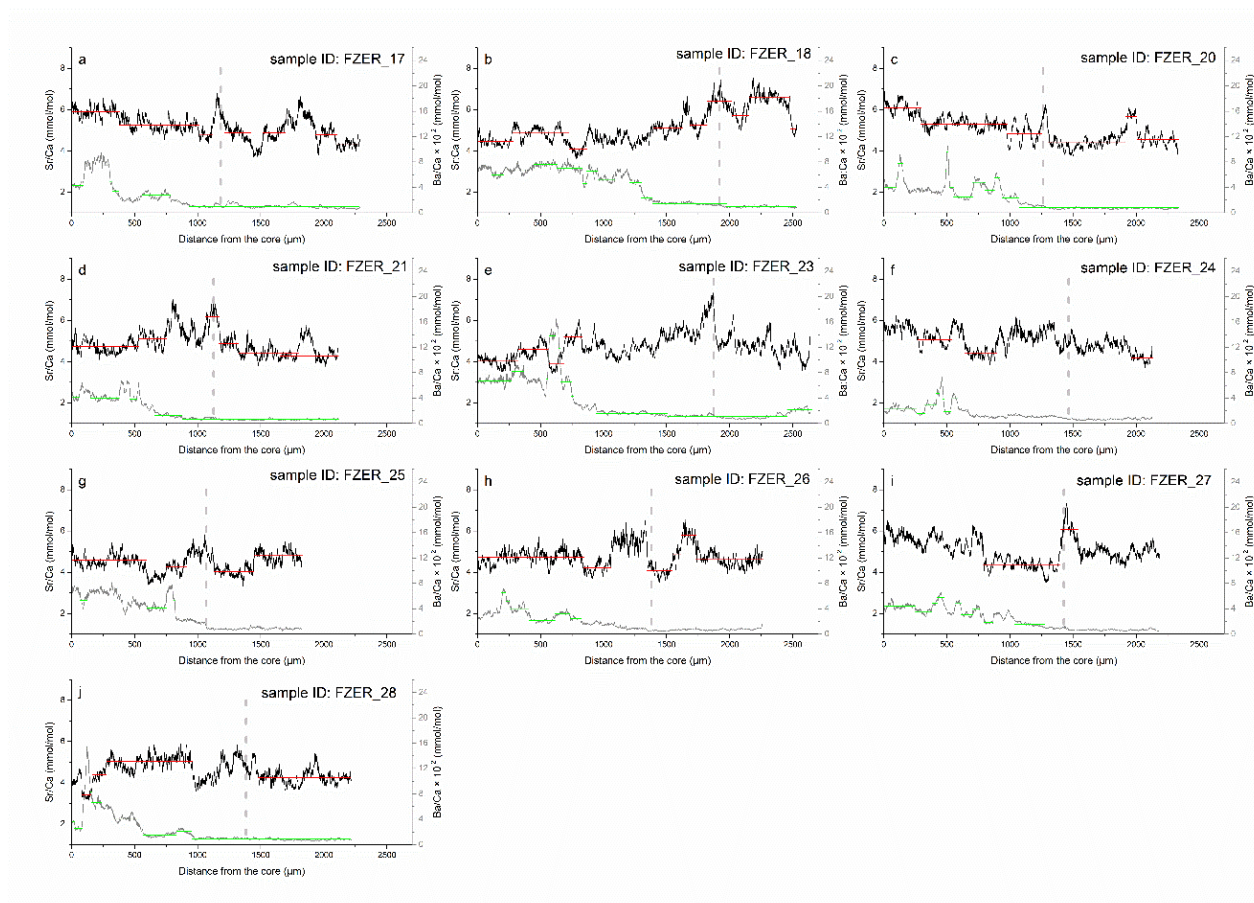


Fig. S3. Otolith core-to-edge Sr:Ca profiles in East Asian fourfinger threadfin *Eleutheronema rhadinum* from the East China Sea. Horizontal solid lines indicated the mean value of the Sr:Ca (red line) and Ba:Ca (green line) ratio changes, as obtained from changepoint analysis. Vertical gray dashed lines denote the position of the first annular growth increment.

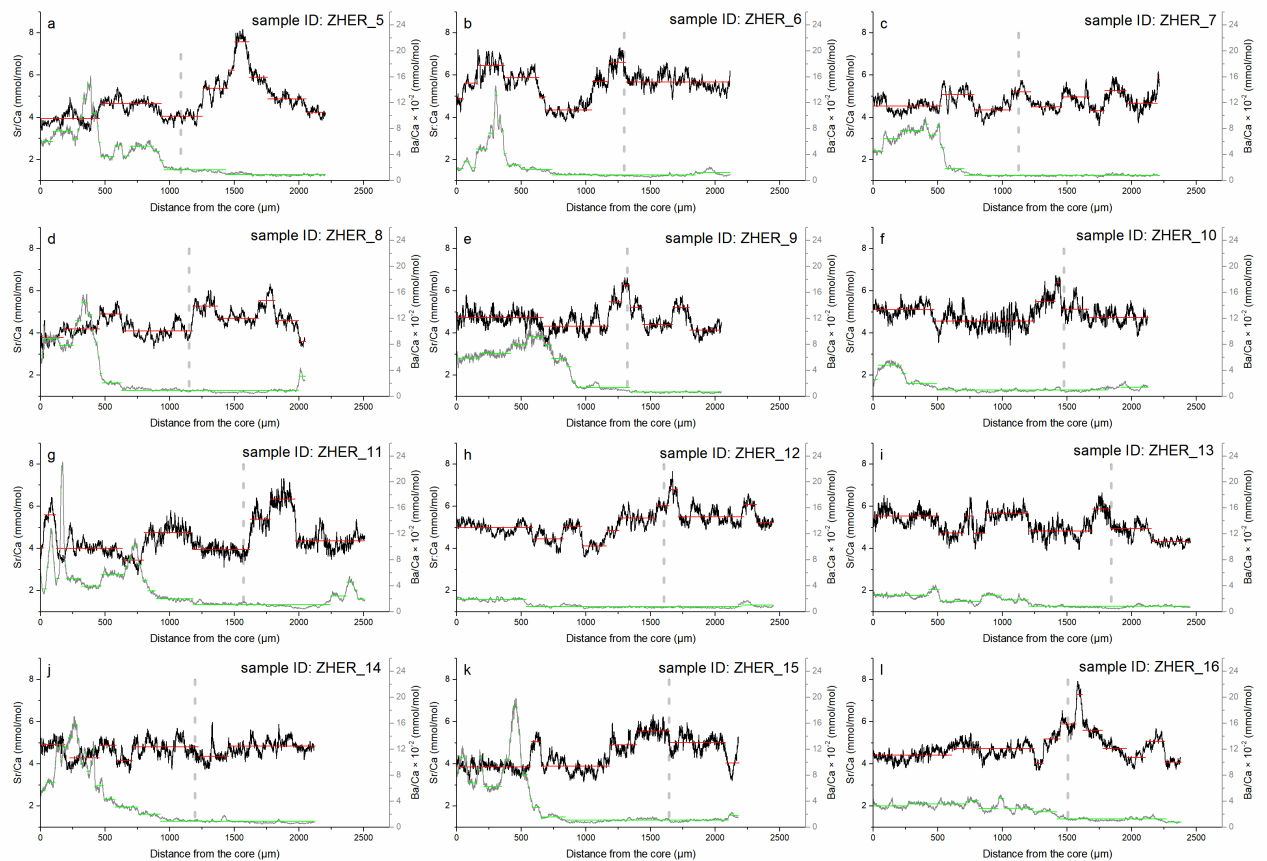


Fig. S4. Otolith core-to-edge Sr:Ca profiles in East Asian fourfinger threadfin *Eleutheronema rhadinum* from the South China Sea. Horizontal solid lines indicated the mean value of the Sr:Ca (red line) and Ba:Ca (green line) ratio changes, as obtained from changepoint analysis. Vertical gray dashed lines denote the position of the first annular growth increment.

LITERATURE CITED

Su NJ, Lu YS, Wang CH, Liao CH, Chiang WC, Tseng CT (2020) Age determination for juvenile fourfinger threadfin (*Eleutheronema rhadinum*) by using otolith microstructure and length data obtained from commercial fisheries off northwestern Taiwan. Fish Res 227:105560