

## Supplementary Material

Commercially valuable and the most common species in catch were selected for comparing length compositions between hook sizes. They include *S. commerson*, *S. commersonianus*, *E. coioides*, *T. tonggol*, and *L. nebulosus*. These species caught mostly by mentioned hook sizes. However, smaller or bigger hook sizes can be able catch these species.

We used the Mann-Whitney tests for comparing fish length compositions between two hook sizes.

Length compositions of *S. commerson* and *E. coioides* differed significantly between two hook sizes ( $P < 0.05$ ) while no significant differences were found for other species ( $P > 0.05$ , Table 1).

Table 1. Comparing length compositions between hook sizes for five fish species in the Persian Gulf hand line fishery.

	<i>S. commerson</i>		<i>S. commersonianus</i>		<i>E. coioides</i>		<i>T. tonggol</i>		<i>L. nebulosus</i>	
Hook size	4/0	5/0	4/0	5/0	7/0	8/0	7/0	8/0	7/0	8/0
Min. length (cm)	60	44	63	62	17	15	30	25	20	20
Max. length (cm)	165	145	100	100	65	55	70	65	61	60
Mean length (cm) $\pm$ SD	110.2 $\pm$ 16.8	105.6 $\pm$ 17.3	79.4 $\pm$ 7.7	77.6 $\pm$ 7.2	31.5 $\pm$ 9.6	28.5 $\pm$ 8.2	43.5 $\pm$ 8.5	41.6 $\pm$ 7.3	41 $\pm$ 11	37.4 $\pm$ 10.5
<i>P</i> value	<0.05		>0.05		<0.05		>0.05		>0.05	

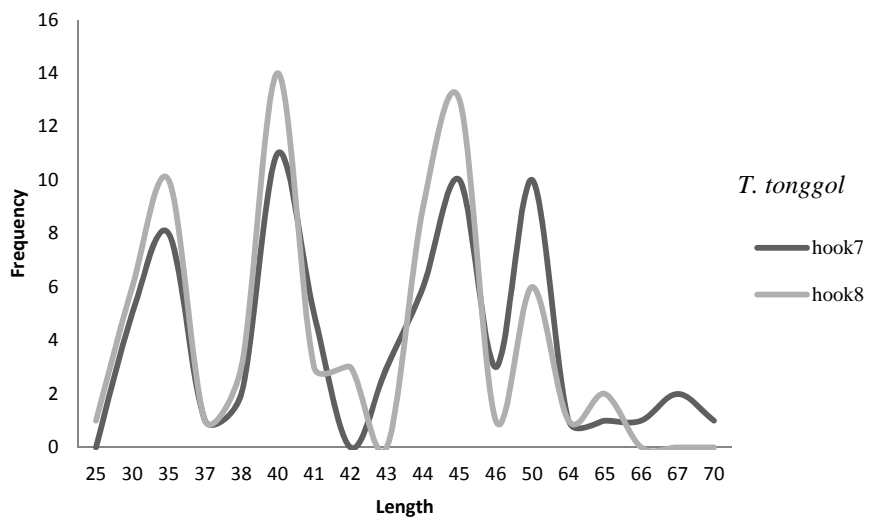
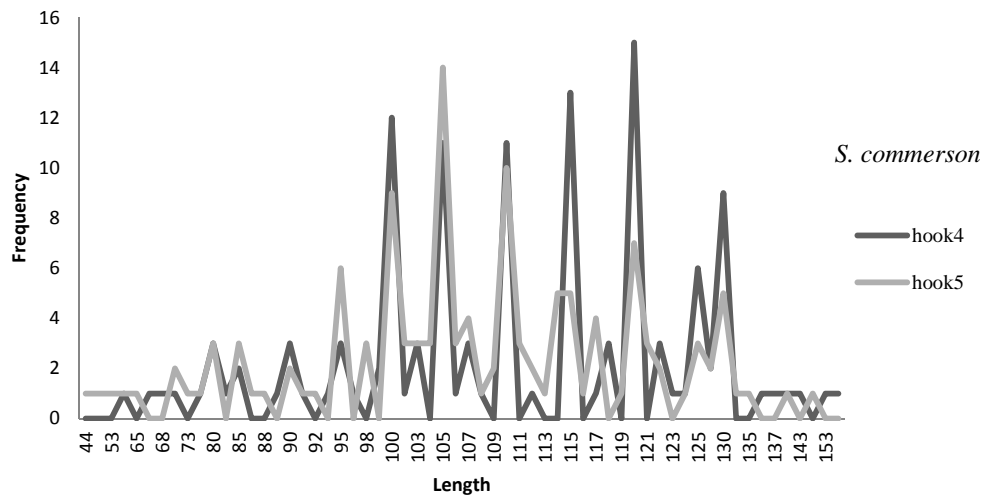


Fig. 1. Length frequency of the commercially most important species between hook sizes in the Persian Gulf hand line fishery.

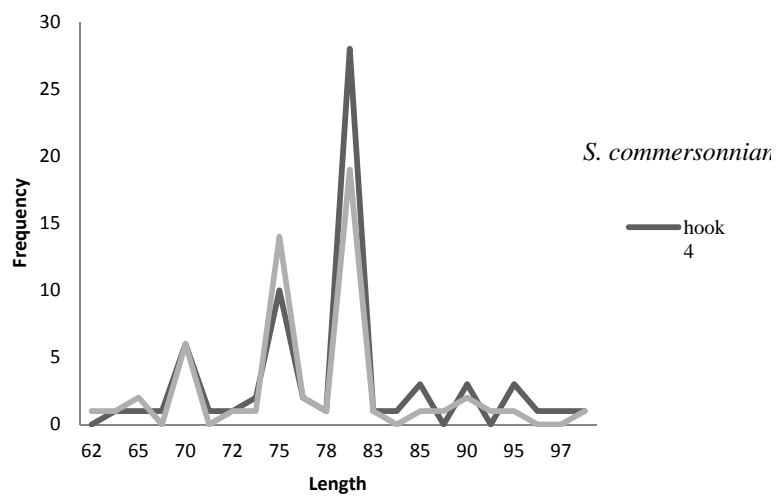
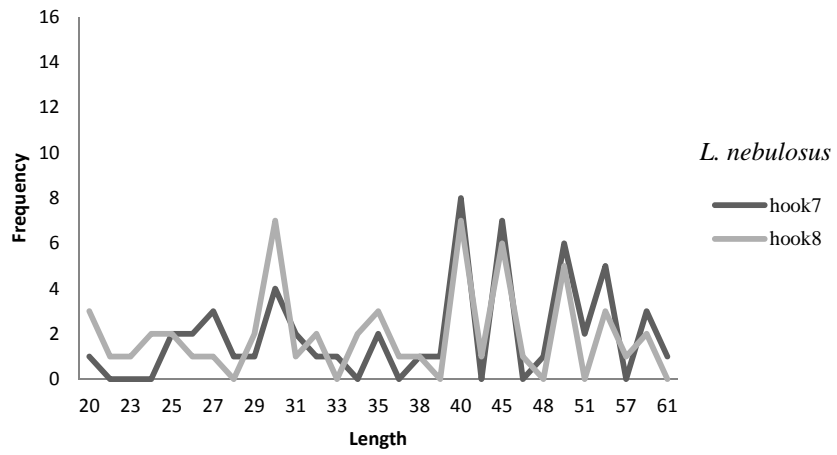
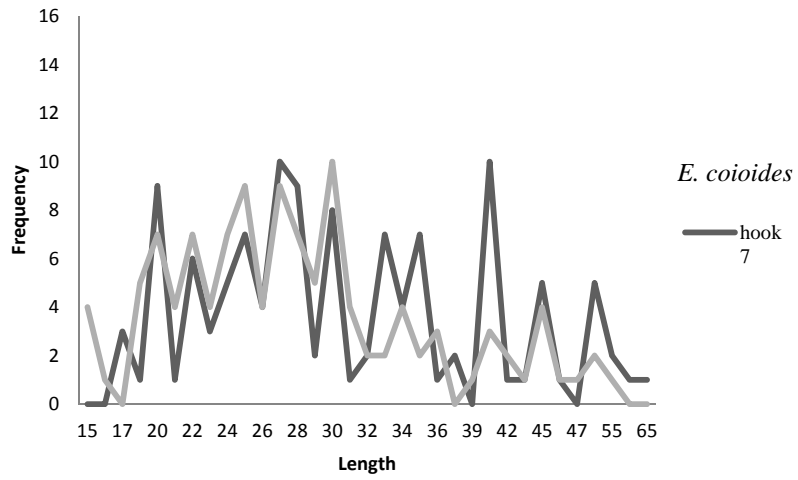


Fig. 1. Continued.