

Supplementary Materials: Abundance and Growth of the European Eels (*Anguilla anguilla* Linnaeus, 1758) in Small Estuarine Habitats from the Eastern English Channel

Table S1. Number of individuals (N) analyzed of female and male eels for the six estuaries from the North to the South and their mean \pm standard deviation (sd) and range (min–max) of total length (mm), total weight (g) and age-at-capture (year).

Estuary	Female				Male			
	N	Mean length \pm sd	Mean weight \pm sd	Mean age \pm sd	N	Mean length \pm sd	Mean weight \pm sd	Mean age \pm sd
		min–max	min–max	min–max		min–max	min–max	min–max
Slack	25	449.9 \pm 125.5 295–699	210.8 \pm 187.1 49.6–810	8.7 \pm 3.3 5–16	23	363.2 \pm 51.8 295–483	90.0 \pm 40.7 49.6–214.3	6.8 \pm 1.6 5–10
Wimereux	31	422.1 \pm 129.9 286–700	179.3 \pm 188.9 42.5–769	8.1 \pm 3.1 4–15	26	346.2 \pm 46.1 286–462	76.9 \pm 35.6 42.5–181.9	6.8 \pm 1.5 4–10
Liane	36	500.6 \pm 146.3 281–810	310.0 \pm 287.3 36.9–1180	8.3 \pm 2.5 5–13	19	370.3 \pm 57.4 281–494	93.8 \pm 49.9 36.9–246.6	6.3 \pm 1.6 4–9
Canche	31	428.9 \pm 115.2 260–665	176.7 \pm 152.8 32.1–597.7	8.2 \pm 3.2 5–21	20	345.8 \pm 36.3 260–418	78.6 \pm 26.8 32.1–149.5	6.6 \pm 1.3 5–10
Authie	40	452.9 \pm 114.7 287–739	211.8 \pm 174.1 38.9 – 780	8.3 \pm 2.1 5–13	21	368.9 \pm 62.3 287–482	99.4 \pm 52.8 38.9–235.5	7.4 \pm 1.8 5–13
Somme	33	513.2 \pm 159.0 321–924	317.4 \pm 334.7 54–1330	8.9 \pm 3.5 5–19	17	384.1 \pm 46.2 321–467	95.1 \pm 34.3 54.0–176.2	6.9 \pm 1.4 5–10

Table S2. Parameters of non-linear growth models for female and male eels collected in the six estuaries with TL_{∞} the asymptotic length, k the rate at which the asymptote is reached, TL_1 the length in the first year, t_0 no biological significance and AIC the Akaike Information Criterion to select the optimal growth model. vbp Von Bertalanffy model, vbt0p Von Bertalanffy model forced at $t_0=0$, vbL1p Von Bertalanffy model forced at TL_1 , gp.p Gompertz model, and log.p Logistic model.

Models	Female					Male				
	TL_{∞}	k	TL_1	t_0	AIC	TL_{∞}	k	TL_1	t_0	AIC
vbp	1155.3	0.05		-0.9	18188.54	606	0.10		-0.8	8361.05
vbt0p	810.5	0.09		0.0	18277.58	438	0.20		0.0	8455.67
vbL1p	1155.3	0.05	101.7		18188.54	606	0.10	101.4		8361.05
gp.p	725.5	0.17	113.4		18185.89	453	0.26	105.2		8357.17
log.p	638.4	0.30	95.9		18225.73	409	0.42	79.2		8367.24

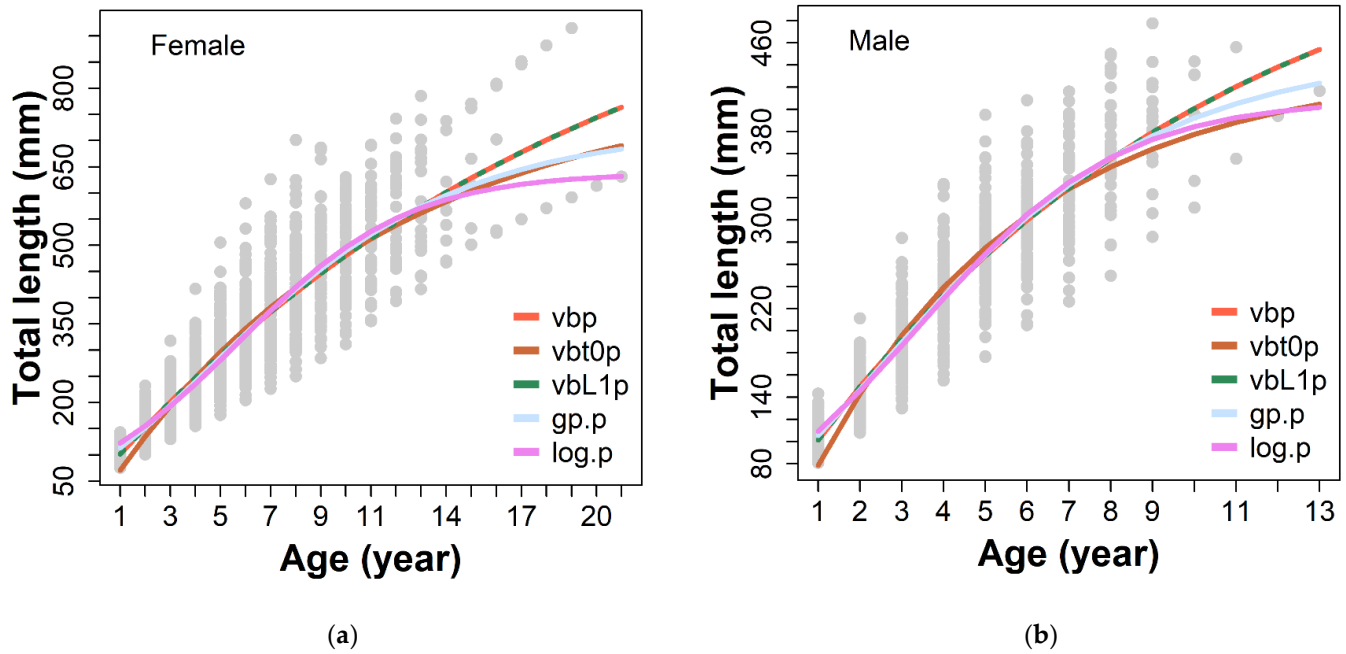


Figure S1. Non-linear growth models of (a) female and (b) male eels collected in the six estuaries. vbp Von Bertalanffy model, vbt0p Von Bertalanffy model forced at $t_0=0$, vbL1p Von Bertalanffy model forced at TL_1 , gp.p Gompertz model, and log.p Logistic model.