Table 1. Population traits of *L. sclateri* at sampling site. N represents the total amount of *L. sclateri* used at each sampling site to determine each parameter. Abundance measured as CPUE (catch per unit of effort); Size parameters as fork length (FL, cm); Age parameters as years; mean value of somatic condition per sampling site as relationship between individual fork length (FL) and total weight (TW); mean growth index as relationship between individual length (FL) and age. All mean values include their confidence level at 95%.

Sampling site	n	CPUE	Size parameters			
			Range	Maximum	Mean (±95% CL)	Diversity index
MU01	37	14.67	40.01	43.81	10.12 ± 2.76	1.74
MU02	29	27.43	21.00	25.00	12.21 ± 1.72	1.93
MU03	35	19.50	48.50	58.20	17.53 ± 4.38	2.00
MU04	28	27.00	41.12	53.72	28.16 ± 5.39	2.31
MU05	40	60.00	23.00	27.90	19.11 ± 1.49	1.79
MU06	90	90.00	40.61	47.31	16.46 ± 1.72	2.43
MU07	78	64.62	48.10	52.20	18.82 ± 3.11	2.65
MU08	32	19.40	42.44	50.44	23.59 ± 3.97	2.33
MU09	65	79.50	37.11	49.01	28.93 ± 2.76	2.77
SE01	65	16.80	19.20	22.20	13.68 ± 1.01	2.08
SE02	105	123.60	23.30	27.00	15.47 ± 1.05	2.24
SE03	102	111.27	22.40	25.90	10.05 ± 0.77	1.94
SE04	15	13.33	38.40	54.40	31.69 ± 7.50	2.03
SE05	69	48.00	43.30	50.20	16.80 ± 1.91	2.08
SE06	18	19.64	6.70	18.70	14.36 ± 0.90	1.35
SE07	60	64.36	50.64	54.44	18.43 ± 3.15	2.58
SE08	37	29.45	45.87	51.00	12.81 ± 2.81	2.09
SE09	60	78.67	45.35	49.95	14.19 ± 3.38	2.03
SE10	85	62.18	43.08	49.91	18.75 ± 2.35	2.57
SE11	59	72.00	41.45	47.12	19.29 ± 3.25	2.21
SE12	102	88.00	38.78	44.73	20.67 ± 2.60	2.55
SE13	111	45.50	48.57	54.97	27.59 ± 2.13	2.81
SE14	61	54.00	38.54	46.04	28.53 ± 2.79	2.87
TAI	98	150.00	26.10	29.20	9.46 ± 1.06	2.15
TUS	77	117.33	11.50	15.20	10.12 ± 0.60	1.69
TOTAL	1558	59.85	55.20	58.20	17.77 ± 0.56	2.21

Table S1 — continued.

Sampling	Age parameters				Immature condition		Mature condition	
site	n	Range	Maximum	Mean (±95% CL)	n	Mean (±95% CL)	n	Mean (±95% CL)
MU01	18	5	5	2.28 ± 0.61	11	0.55 ± 0.18	26	1.33 ± 0.21
MU02	25	10	10	3.92 ± 0.88	2	0.56 ± 4.01	27	1.51 ± 0.15
MU03	16	11	14	5.25 ± 1.83	0		34	1.84 ± 0.17
MU04	17	10	13	6.59 ± 1.84	0		28	2.43 ± 0.23
MU05	33	8	9	5.67 ± 0.62	1	0.53	39	2.03 ± 0.08
MU06	37	6	7	3.89 ± 0.58	4	0.86 ± 0.08	86	1.76 ± 0.11
MU07	28	8	9	4.29 ± 0.93	10	0.56 ± 0.11	67	1.91 ± 0.17
MU08	27	13	14	6.37 ± 1.22	0		31	2.11 ± 0.22
MU09	28	6	9	6.04 ± 0.57	0		59	2.40 ± 0.12
SE01	24	8	8	3.92 ± 0.82	3	0.44 ± 1.03	61	1.57 ± 0.08
SE02	48	9	9	4.35 ± 0.72	14	0.55 ± 0.12	91	1.84 ± 0.06
SE03	52	7	7	3.10 ± 0.44	27	0.61 ± 0.08	75	1.34 ± 0.08
SE04	11	10	15	9.27 ± 2.62	0		10	2.28 ± 0.15
SE05	31	4	7	4.81 ± 0.33	2	0.84 ± 0.27	67	1.80 ± 0.10
SE06	13	1	6	5.08 ± 0.17	0		18	1.64 ± 0.07
SE07	30	15	15	6.27 ± 1.38	7	0.67 ± 0.24	53	1.93 ± 0.17
SE08	23	10	11	4.83 ± 1.02	8	0.61 ± 0.13	29	1.62 ± 0.20
SE09	38	15	15	5.08 ± 1.51	13	0.74 ± 0.08	36	1.82 ± 0.26
SE10	29	7	9	4.38 ± 0.81	2	0.90 ± 0.52	82	1.88 ± 0.14
SE11	32	6	8	5.34 ± 0.50	3	0.80 ± 0.29	56	1.93 ± 0.16
SE12	55	12	14	5.67 ± 1.02	10	0.77 ± 0.05	92	1.99 ± 0.16
SE13	26	8	8	3.73 ± 0.86	1	0.73	108	2.39 ± 0.12
SE14	17	8	9	5.76 ± 1.24	47		61	2.42 ± 0.14
TAI	50	10	10	3.38 ± 0.69	14	0.57 ± 0.08	51	1.48 ± 0.11
TUS	40	5	6	3.65 ± 0.38	0	0.65 ± 0.11	63	1.28 ± 0.06
TOTAL	748	15	15	4.71 ± 0.20	179	0.63 ± 0.03	1350	1.87 ± 0.03

Table S1 — continued.

Sampling	Growth index — age 1		Growth index — age 2		Growth index — mature	
site	n	Mean (±95% CL)	n	Mean (±95% CL)	n	Mean (±95% CL)
MU01	16	70.04 ± 10.60	14	38.25 ± 8.12	3	10.35 ± 8.75
MU02	24	65.68 ± 5.88	24	41.40 ± 5.82	12	19.17 ± 6.83
MU03	14	67.00 ± 7.26	14	38.48 ± 5.35	8	13.18 ± 10.12
MU04	11	72.28 ± 5.70	11	52.92 ± 4.25	9	44.13 ± 7.12
MU05	21	74.09 ± 6.17	16	47.70 ± 5.63	20	32.53 ± 3.96
MU06	34	70.21 ± 3.98	33	45.07 ± 3.69	16	27.58 ± 4.39
MU07	28	76.28 ± 5.39	27	47.08 ± 5.35	11	16.22 ± 5.13
MU08	16	77.33 ± 6.58	15	48.06 ± 5.25	10	26.76 ± 7.03
MU09	27	80.38 ± 5.16	26	53.52 ± 4.37	23	31.78 ± 3.50
SE01	22	82.46 ± 4.54	22	49.09 ± 4.18	12	20.30 ± 9.06
SE02	38	74.02 ± 4.68	37	42.70 ± 4.14	25	14.45 ± 5.25
SE03	25	55.09 ± 4.16	25	32.12 ± 3.63	12	17.29 ± 7.41
SE04	7	70.32 ± 8.81	6	44.93 ± 8.55	6	29.06 ± 5.79
SE05	31	68.08 ± 5.09	30	41.17 ± 4.29	15	14.57 ± 3.51
SE06	13	70.14 ± 5.94	13	41.37 ± 6.81	7	13.48 ± 9.64
SE07	18	67.33 ± 8.01	18	34.92 ± 5.81	11	14.46 ± 5.12
SE08	20	63.34 ± 5.44	20	34.34 ± 4.53	13	0.60 ± 6.49
SE09	28	62.65 ± 3.07	25	31.25 ± 2.17	8	2.66 ± 4.09
SE10	27	61.40 ± 4.68	27	38.30 ± 4.60	13	14.77 ± 5.81
SE11	30	52.13 ± 5.46	30	27.14 ± 5.08	23	5.23 ± 4.72
SE12	44	69.38 ± 3.78	44	41.73 ± 3.25	18	17.85 ± 5.76
SE13	24	79.10 ± 7.12	23	50.72 ± 5.05	5	31.36 ± 11.36
SE14	17	75.87 ± 6.43	16	49.97 ± 4.17	13	25.01 ± 4.09
TAI	40	50.04 ± 3.58	38	25.78 ± 2.27	18	4.31 ± 4.75
TUS	36	45.72 ± 3.82	36	19.26 ± 3.59	12	0.03 ± 4.90
TOTAL	611	66.74 ± 1.28	590	39.34 ± 1.13	323	17.69 ± 1.57

Table 2. Coefficients of the Spearman rank correlation between population traits. Significant differences are indicated: *p < 0.05; **p < 0.001. Results for rho > 0.7 are marked in bold.

Population traits	Size range	Mean size	Maximum size	Size divers. index	Age range	Mean age	Maximum age	CPUE	S. cond. immature	S. cond. mature	GI — age 1	GI — age 2
Mean size	0.29											
Maximum size	**0.87***	0.54*										
Size diversity index	0.44*	0.61*	0.43*									
Age range	0.29	0.14	0.37**	0.11								
Mean age	0.26	**0.78***	0.50*	0.33	0.47*							
Maximum age	0.33	0.34	0.50*	0.17	**0.92***	0.68*						
CPUE	-0.22	-0.28	-0.39**	0.16	-0.16	-0.30	-0.20					
S. cond. immature	0.52*	0.28	0.54*	0.37	-0.16	0.16	0.03	0.33				
S. cond. mature	0.32	**0.97***	0.54*	0.65*	0.26	**0.80***	0.43*	-0.22	0.19			
GI — age 1	0.08	0.59*	0.24	0.49*	-0.02	0.32	-0.01	-0.32	-0.39	0.59*		
GI — age 2	-0.01	0.69*	0.22	0.50*	0.01	0.40*	0.05	-0.37**	-0.33	0.69*	**0.88***	
GI — mature	-0.14	0.67*	0.15	0.35*	0.00	0.40*	0.06	-0.30	-0.16	0.66*	0.67*	**0.88***