

**Table S2: Multiple regression analysis results for all fishing gear studied using SPSS software**

**A:** Trawl net; **B:** Encircling net; **C:** Gill net; **D:** Trammel net; **E:** Longlines

**N:** number of vessels, **(1):** the number of gear used per fishing vessel, **(2):** the depth of fishing activity (in meters), **(3):** the tonnage of the fishing vessel (in tons), **(4):** the length of the boat (in meters), **(5):** the average fishery months per year, **(6):** the average number of fishing days per month, **(7):** the annual number of pieces of nets or number of long line's hooks used, **(8):** the number of sets per 24h, **(9):** Soak time (in hour), **(10):** the annual frequency of replacement of the fishing gear and **(11):** the annual number of parts of fishing gears abandoned per fishing vessel.

**A**

Coefficients <sup>a</sup>					
Model (Trawl)	Non-Standardised coefficient		Standardised coefficient	t	Sig.
	B	SD	Bêta		
1 (Constant)	-4.390	1.836		-2.391	0.021
2	0.032	0.010	0.130	3.139	0.003
3	-0.018	0.008	-0.339	-2.355	0.022
4	0.168	0.103	0.221	1.637	0.108
6	-0.010	0.025	-0.017	-0.386	0.701
5	-0.084	0.085	-0.043	-0.987	0.329
8	0.121	0.056	0.111	2.136	0.038
11	0.450	0.082	0.374	5.493	0.000
9	0.324	0.216	0.067	1.505	0.139
10	0.462	0.064	0.440	7.215	0.000

0

Model (trawl)		Collinearity	
		Tolerance	VIF
1	(Constant)		
	2	.936	1.068
	3	0.1	9.86
	4	0.1	10
	6	0.794	1.260
	5	0.828	1.208
	8	0.587	1.703
	11	0.345	2.900
	9	0.799	1.251
	10	0.430	2.327

a. Dependant Variable : Number of ALDFG

**B****Coefficients<sup>a</sup>**

Model ( <b>Encircling</b> )		Non-Standardised coefficient		Standardised coefficient	t	Sig.
		B	SD	Bêta		
1	(Constant)	2.584	2.117		1.221	0.237
	2	-0.039	0.018	-0.246	-2.181	0.042
	3	0.001	0.012	0.006	0.048	0.962
	4	-0.024	0.049	-0.054	-0.477	0.639
	6	-0.053	0.038	-0.142	-1.371	0.186
	5	-0.062	0.115	-0.061	-0.538	0.597
	7	-0.553	1.989	-1.355	-0.278	0.784
	8	-0.116	0.134	-0.081	-0.869	0.396
	9	0.301	0.311	0.102	0.966	0.346
	10	0.016	0.223	0.007	0.070	0.945
	11	0.909	0.152	0.722	5.989	0.000

**Coefficients<sup>a</sup>**

Model ( <b>encircling</b> )		Collinearity	
		Tolerance	VIF
1	(Constant)		
	2	0.579	1.729
	3	0.471	2.121
	4	0.565	1.771
	6	0.688	1.453
	5	0.570	1.755
	7	0.000	3235.306
	8	0.842	1.188
	9	0.662	1.511
	10	0.808	1.238
	11	0.505	1.981

C

Coefficients<sup>a</sup>

Model (Gill net)		Non-Standardised coefficient		Standardised coefficient	t	Sig.
		B	SD	Bêta		
1	(Constant)	-21.934	3.476		-6.309	0.000
	11	0.596	0.093	0.348	6.440	0.000
	9	0.475	0.166	0.109	2.856	0.005
	8	0.418	0.330	0.051	1.268	0.207
	10	4.567	0.993	0.170	4.600	0.000
	7	0.292	0.118	0.561	2.484	0.014
	5	0.329	0.186	0.064	1.773	0.078
	6	0.707	0.110	0.252	6.433	0.000
	4	0.313	0.204	0.081	1.539	0.126
	3	-0.059	0.051	-0.058	-1.171	0.243
	2	-0.043	0.057	-0.030	-0.746	0.457
	1	0.223	0.779	0.011	0.286	0.775

Coefficients<sup>a</sup>

Model (Gill net)		Collinearity	
		Tolerance	VIF
1	(Constant)		
	11	0.410	2.441
	9	0.821	1.217
	8	0.747	1.339
	10	0.880	1.137
	7	0.132	9.89
	5	0.922	1.084
	6	0.782	1.279
	4	0.429	2.329
	3	0.495	2.019
	2	0.728	1.374
	1	0.801	1.248

**D**

**Coefficients<sup>a</sup>**

Model (trammel net)		Non-Standardised coefficient		Standardised coefficient	t	Sig.
		B	SD	Bêta		
1	(Constant)	7.181	9.897		0.726	0.469
	1	-2.899	2.050	-0.065	-1.414	0.159
	2	0.115	0.188	0.037	0.612	0.541
	3	0.045	0.102	0.022	0.439	0.661
	4	-0.070	0.585	-0.007	-0.119	0.905
	6	0.421	0.274	0.059	1.535	0.127
	5	-0.013	0.428	-0.001	-0.030	0.976
	7	0.140	0.048	0.221	2.920	0.004
	10	2.269	1.471	0.066	1.543	0.125
	8	-3.127	1.660	-0.089	-1.884	0.061
	9	-1.047	0.307	-0.144	-3.405	0.001
	11	1.399	0.120	0.722	11.673	0.000

**Coefficients<sup>a</sup>**

Model (trammel net)		Collinearity	
		Tolerance	VIF
1	(Constant)		
	1	0.598	1.671
	2	0.349	2.868
	3	0.497	2.013
	4	0.340	2.944
	6	0.860	1.163
	5	0.869	1.151
	7	0.220	4.554
	10	0.677	1.478
	8	0.562	1.779
	9	0.700	1.429
	11	0.328	3.052

E

Coefficients<sup>a</sup>

Model (longlines)		Non-Standardised coefficient		Standardised coefficient	t	Sig.
		B	SD	Bêta		
1	(Constante)	-1079.502	670.034		-1.611	0.114
	11	0.774	0.155	0.510	4.982	0.000
	10	117.429	73.594	0.111	1.596	0.118
	1	167.676	82.452	0.163	2.034	0.048
	2	7.793	4.293	0.132	1.815	0.076
	3	15.340	8.935	0.216	1.717	0.093
	4	-58.100	28.257	-0.229	-2.056	0.046
	6	0.234	14.892	0.001	0.016	0.988
	5	-9.069	23.921	-0.029	-0.379	0.706
	7	0.286	0.075	0.426	3.838	0.000
	8	121.459	136.857	0.081	0.887	0.380
	9	43.836	35.309	0.124	1.242	0.221

Coefficients<sup>a</sup>

Model (longlines)		Collinearity	
		Tolerance	VIF
1	(Constante)		
	11	0.389	2.573
	10	0.838	1.194
	1	0.639	1.566
	2	0.770	1.299
	3	0.257	3.886
	4	0.330	3.028
	6	0.784	1.276
	5	0.698	1.433
	7	0.331	3.018
	8	0.494	2.023
	9	0.406	2.463