

Table S1. PERANOVA (Permutational Analysis of Variance) performed for each commercial taxonomic group with trammel net and guarding net, on the factors: Gear (Ge), Location (Lo) and Period (Pe); ns = not significant, * = significant for $p < 0.05$, ** = significant for $p < 0.01$.

Variable	Source	df	MS	Pseudo-F	$p(\text{perm})$	Perms	Pair wise
Osteichthyes	Pe	2	249.55	0.64905	ns	999	
	Lo	1	1575.8	4.0985	ns	998	Within level 'Porto Pino' PERIOD 2>PERIOD1
	Ge	1	49.681	0.12921	ns	999	
	PexLo	2	1519.8	3.9527	*	999	
	PexGe	2	44.894	0.11676	ns	998	Within level 'PERIOD1' Favignana >Porto Pino
	LoxGe	1	4.7572	1.24E-02	ns	997	
	PexLoxGe	2	109	0.28349	ns	999	
	Res	55	384.49				
	Total	66					
Elasmobranchs	Pe	2	376.82	0.81037	ns	999	
	Lo	1	4687.7	10.081	*	997	Within Location Favignana> Porto Pino
	Ge	1	1617.9	3.4793	ns	997	
	PexLo	2	398.68	0.85737	ns	998	
	PexGe	2	40.699	8.75E-02	ns	999	
	LoxGe	1	1417.7	3.0488	ns	999	
	PexLoxGe	2	45.022	9.68E-02	ns	998	
	Res	55	465.01				
	Total	66					
Molluscs	Pe	2	1940.4	9.897	**	997	
	Lo	1	432.32	2.205	ns	997	
	Ge	1	263.55	1.3442	ns	998	Groups PERIOD 1>PERIOD 2
	PexLo	2	307.13	1.5665	ns	999	
	PexGe	2	144.44	0.73672	ns	997	
	LoxGe	1	117.87	0.60117	ns	998	
	PexLoxGe	2	2.0904	1.07E-02	ns	999	
	Res	55	196.06				
	Total	66					
Crustaceans	Pe	2	6.6874	0.18268	ns	999	
	Lo	1	8.57E-02	2.34E-03	ns	996	
	Ge	1	1.5109	4.13E-02	ns	996	
	PexLo	2	36.218	0.98938	ns	998	
	PexGe	2	23.221	0.63433	ns	999	
	LoxGe	1	93.196	2.5459	ns	993	
	PexLoxGe	2	5.5164	0.15069	ns	999	
	Res	55	36.607				
	Total	66					

Table S2. PERANOVA (Permutational Analysis of Variance) performed for discarded taxonomic groups with trammel net and guarding net, on the factors: Gear (Ge), Location (Lo) and Period (Pe); ns = not significant, * = significant for $p < 0.05$, ** = significant for $p < 0.01$.

Variable	Source	df	MS	Pseudo-F	p(perm)	Perms	Pair wise
Osteichthyes	Pe	2	674.61	2.1719	ns	999	
	Lo	1	404.3	1.3016	ns	996	
	Ge	1	29.631	9.54E-02	ns	998	
	PexLo	2	76.264	0.24552	ns	998	
	PexGe	2	316.05	1.0175	ns	998	
	LoxGe	1	193.76	0.6238	ns	998	
	PexLoxGe**	1	868.32	2.7955	ns	998	
	Res	57	310.62				
	Total	67					
Elasmobranchs	Pe	2	363.3	1.1532	ns	999	
	Lo	1	1019.1	3.2346	ns	991	
	Ge	1	0.17482	5.55E-04	ns	994	
	PexLo	2	615.6	1.954	ns	999	
	PexGe	2	123.58	0.39227	ns	999	
	LoxGe	1	715.21	2.2701	ns	997	
	PexLoxGe**	1	5.1416	1.63E-02	ns	997	
	Res	57	315.05				
	Total	67					
Molluscs	Pe	2	93.343	1.912	ns	997	
	Lo	1	54.661	1.1196	ns	997	
	Ge	1	0.51709	1.06E-02	ns	994	
	PexLo	2	151.19	3.0969	ns	999	
	PexGe	2	26.473	0.54227	ns	999	
	LoxGe	1	47.932	0.98181	ns	997	
	PexLoxGe**	1	23.775	0.48699	ns	997	
	Res	57	48.82				
	Total	67					
Crustaceans	Pe	2	21.773	0.406	ns	998	
	Lo	1	1.7126	3.19E-02	ns	996	
	Ge	1	27.175	0.50672	ns	996	
	PexLo	2	21.534	0.40153	ns	999	
	PexGe	2	72.237	1.347	ns	997	
	LoxGe	1	36.92	0.68844	ns	999	
	PexLoxGe**	1	41.45	0.77291	ns	995	
	Res	57	53.629				
	Total	67					
Echinoderms	Pe	2	30.864	0.31441	ns	998	
	Lo	1	298.1	3.0367	ns	996	
	Ge	1	0.98023	9.99E-03	ns	997	
	PexLo	2	62.488	0.63656	ns	998	
	PexGe	2	207.16	2.1103	ns	999	
	LoxGe	1	25.582	0.2606	ns	994	
	PexLoxGe**	1	138.7	1.413	ns	994	
	Res	57	98.165				
	Total	67					
Seagrasses	Pe	2	328.58	3.9982	ns	998	
	Lo	1	35.884	0.43664	ns	998	

	Ge	1	24.984	0.30401	ns	995	
	PexLo	2	53.28	0.64831	ns	998	
	PexGe	2	39.253	0.47762	ns	999	
	LoxGe	1	11.167	0.13588	ns	998	
	PexLoxGe**	1	3.1714	3.86E-02	ns	999	
	Res	57	82.183				
	Total	67					
Macroalgae	Pe	2	539.51	3.963	*	998	
	Lo	1	34.549	0.25379	ns	996	Within level 'GN'
	Ge	1	88.772	0.65208	ns	995	
	PexLo	2	30.232	0.22207	ns	998	Groups
	PexGe	2	60.441	0.44398	ns	998	Porto Pino > Favignana.
	LoxGe	1	1780.2	13.076	**	997	
	PexLoxGe**	1	115.73	0.85009	ns	999	
	Res	57	136.14				
	Total	67					
Coralligenous	Pe	2	36.364	1.1927	ns	998	
	Lo	1	13.68	0.44871	ns	996	
	Ge	1	24.331	0.79807	ns	996	
	PexLo	2	18.57	0.60909	ns	997	
	PexGe	2	67.621	2.218	ns	998	
	LoxGe	1	44.595	1.4627	ns	995	
	PexLoxGe**	1	44.78	1.4688	ns	996	
	Res	57	30.488				
	Total	67					

Table S3. PERANOVA (Permutational Analysis of Variance) performed for each commercial taxonomic group caught with trapula and traditional pots, on the factors: Pots and Period (Pe); ns = not significant, * = significant for $p < 0.05$, ** = significant for $p < 0.01$.

Variable	Source	df	MS	Pseudo-F	p(perm)	Perms	Pair wise
Crustaceans	Pots	1	44.194	1.6899	ns	80	
	Pe	1	44.194	1.6899	ns	81	
	PotsxPe	1	44.194	1.6899	ns	79	
	Res	8	26.153				
	Total	11					
Molluscs	Pots	1	165.71	1.0832	ns	362	
	Pe	1	386.55	2.5268	ns	373	
	PotsxPe	1	3.5515	2.32E-02	ns	350	
	Res	8	152.98				
	Total	11					
Osteichthyes	Pots	1	565.58	0.8377	ns	986	
	Pe	1	5.7835	8.57E-03	ns	976	
	PotsxPe	1	9.1186	1.35E-02	ns	982	
	Res	8	675.16				
	Total	11					

Table S4. PERANOVA (Permutational Analysis of Variance) performed for each discarded taxonomic group caught with trapula and traditional pots, on the factors: Pots and Period (Pe); ns = not significant, * = significant for $p < 0.05$, ** = significant for $p < 0.01$.

Variable	Source	df	MS	Pseudo-F	p(perm)	Perms	Pair wise
Crustaceans	Pots	1	130.23	5.9643	*	950	
	Pe	1	5.7712	0.26431	ns	962	Traditional > Trapula
	PotsxPe	1	0.86719	3.97E-02	ns	943	
	Res	8	21.835				
	Total	11					
Molluscs	Pots	1	51.829	16.051	**	303	
	Pe	1	6.6667	2.0646	ns	314	Traditional > Trapula
	PotsxPe	1	5.66E-14	1.75E-14	ns	320	
	Res	8	3.2291				
	Total	11					
Osteichthyes	Pots	1	24.538	1.792	ns	945	
	Pe	1	5.7252	0.41811	ns	941	
	PotsxPe	1	13.811	1.0086	ns	943	
	Res	8	13.693				
	Total	11					
Echinoderms	Pots	1	0.83333	0.43613	ns	396	
	Pe	1	0.83333	0.43613	ns	392	
	PotsxPe	1	0.83333	0.43613	ns	378	
	Res	8	1.9107				
	Total	11					