

Additional Table 1: Summary statistics for eight microsatellite loci of *Sardina pilchardus* samples *

Location		Locus							
		SAR1.5	SAR1.12	SAR2.18	SAR9	SAR19B3	SAR195B5	SARA2F	SARA3C
Dakhla	<i>N</i>	50	50	50	50	45	47	46	46
	<i>N_A</i>	25	33	22	23	27	45	33	40
	<i>N_S</i>	23.93	30.30	20.67	21.93	26.51	42.55	31.74	38.60
	<i>H_E</i>	0.948	0.933	0.933	0.938	0.956	0.976	0.944	0.973
	<i>H_O</i>	0.880	0.660	0.940	0.920	0.800	0.830	0.891	0.544
	<i>F_{IS}</i>	0.072	0.295	-0.008	0.020	0.165	0.151	0.056	0.444
Tantan	<i>N</i>	47	47	47	46	46	46	46	43
	<i>N_A</i>	19	32	22	23	30	42	34	44
	<i>N_S</i>	18.67	30.53	21.13	22.20	28.84	40.28	32.90	43.55
	<i>H_E</i>	0.941	0.931	0.922	0.932	0.956	0.976	0.964	0.981
	<i>H_O</i>	0.766	0.787	0.872	0.826	0.826	0.674	0.957	0.488
	<i>F_{IS}</i>	0.188	0.156	0.055	0.115	0.137	0.312	0.008	0.505
Safi	<i>N</i>	50	50	50	50	50	49	50	50
	<i>N_A</i>	21	25	25	19	28	45	29	43
	<i>N_S</i>	20.14	24.04	23.95	17.83	26.59	41.81	27.11	39.63
	<i>H_E</i>	0.941	0.942	0.951	0.902	0.955	0.979	0.948	0.969
	<i>H_O</i>	0.860	0.560	0.740	0.880	0.520	0.816	0.960	0.600
	<i>F_{IS}</i>	0.087	0.408	0.223	0.025	0.458	0.167	-0.013	0.383
Larache	<i>N</i>	50	50	50	50	48	48	47	48
	<i>N_A</i>	22	38	22	26	23	39	26	39
	<i>N_S</i>	21.23	35.05	21.23	24.16	22.53	37.31	25.11	37.16
	<i>H_E</i>	0.938	0.962	0.938	0.940	0.937	0.972	0.952	0.971
	<i>H_O</i>	0.800	0.760	0.540	0.860	0.500	0.667	0.787	0.517
	<i>F_{IS}</i>	0.149	0.212	0.427	0.086	0.469	0.317	0.175	0.445
Quarteira	<i>N</i>	47	46	47	47	44	47	46	46
	<i>N_A</i>	23	31	26	20	22	36	25	36
	<i>N_S</i>	22.41	29.81	25.22	19.40	21.72	34.35	24.45	34.97
	<i>H_E</i>	0.947	0.922	0.955	0.913	0.937	0.972	0.952	0.971
	<i>H_O</i>	0.809	0.848	0.915	0.745	0.930	0.970	0.949	0.968
	<i>F_{IS}</i>	0.148	0.081	0.043	0.186	0.563	0.367	0.108	0.351
Pasajes	<i>N</i>	49	49	49	49	48	47	48	48
	<i>N_A</i>	22	30	28	25	26	40	31	38
	<i>N_S</i>	21.40	28.39	26.57	23.74	25.09	38.59	29.32	36.22
	<i>H_E</i>	0.946	0.943	0.945	0.934	0.956	0.979	0.954	0.969
	<i>H_O</i>	0.857	0.694	0.592	0.755	0.542	0.766	0.875	0.729
	<i>F_{IS}</i>	0.095	0.266	0.376	0.193	0.436	0.219	0.083	0.249
Nador	<i>N</i>	47	47	47	47	47	46	45	46
	<i>N_A</i>	19	26	24	20	30	46	29	40
	<i>N_S</i>	18.75	24.96	23.23	19.23	28.76	43.93	28.24	38.77
	<i>H_E</i>	0.930	0.923	0.929	0.923	0.954	0.980	0.951	0.976
	<i>H_O</i>	0.872	0.596	0.766	0.872	0.511	0.783	0.911	0.500
	<i>F_{IS}</i>	0.063	0.357	0.177	0.055	0.467	0.204	0.042	0.491
Barcelona	<i>N</i>	45	44	43	45	44	42	43	45
	<i>N_A</i>	27	27	22	22	24	42	23	33
	<i>N_S</i>	26.31	26.53	21.93	21.53	23.68	42.00	22.84	32.03
	<i>H_E</i>	0.946	0.914	0.948	0.936	0.948	0.981	0.931	0.950
	<i>H_O</i>	0.867	0.500	0.674	0.911	0.386	0.738	0.907	0.556
	<i>F_{IS}</i>	0.085	0.456	0.291	0.027	0.595	0.250	0.026	0.418
Kavala	<i>N</i>	48	48	48	48	46	47	47	48
	<i>N_A</i>	22	27	25	23	33	45	24	34
	<i>N_S</i>	21.11	25.91	24.16	22.20	31.57	42.95	23.24	32.36
	<i>H_E</i>	0.939	0.943	0.946	0.938	0.942	0.982	0.939	0.956
	<i>H_O</i>	0.792	0.521	0.938	0.854	0.565	0.982	0.936	0.625
	<i>F_{IS}</i>	0.158	0.450	0.009	0.090	0.403	0.156	0.003	0.349

* *N* = sample size, *N_A* = number of alleles per locus, *N_S* = number of alleles per locus standardized to the smallest sample size (42), expected (*H_E*) and observed (*H_O*) heterozygosities, *F_{IS}* = Wright's statistics. Bold *F_{IS}* values are significant probability estimates after Bonferroni correction (Rice 1989)