



Appendix 1 (continued)

	Chinijo				Lanzarote				Fuerteventura				Gran Canaria				Tenerife				Gomera				La Palma				El Hierro							
	Prot.		Exp.		Prot.		Exp.		Prot.		Exp.		Prot.		Exp.		Prot.		Exp.		Prot.		Exp.		Prot.		Exp.		Prot.		Exp.					
	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2				
<i>Laurencia</i> spp.	1.5	0	0	0	0	0	0	0	0	0	13.5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lobophora variegata</i>	2.5	0	31	3	0	0	0	14	4	0	2	0	12	0	12.2	18.5	0	0	0	0	0	0	0	0	34.5	48.5	83.5	88	88.5	89.5	30.5	71.5				
<i>Lophocladia trichoclados</i>	0	0	0	0	0	0	61.4	0	0	0	0	0	0	0	0	0	0	19	18.5	1.5	0	0.5	0	0	0	0	0	0	0	1	2	0				
<i>Nemastoma canariensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0				
<i>Padina pavonica</i>	9	0	0	0.5	0.5	37.5	1.4	2.5	11	6.5	0	33	1	14	3.7	3.5	6.5	9.5	8.5	0	0	0	0	0	0	0	0	0	0	0	1.5	0				
<i>Microdyction boergesenii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0.5				
<i>Sargassum</i> spp.	4.5	4.5	52.5	0	0	0	0	0	0	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	24.5				
<i>Scinaia</i> spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0				
<i>Stypocaulon scoparium</i>	15.5	0	0	0	55	0	4.4	0	10	20	2.5	40.5	0	5.5	2.5	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
<i>Styopodium zonale</i>	0	0	0	1	0	14	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2.5	0	1.5	0	0	0.5	0				
<i>Zonaria tournefortii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	3.5	0	0	0	0	0	0				
Unidentified filamentous turf	0	74	0	1	6.5	10.5	0	0	17.5	22.5	8	0	7.5	8.5	3.9	1.5	49	8	4	10	71	54.7	57	14.5	16.5	18	0	0	0	0	0	0				
Coralline crustose algae	0	4.5	1	1	0	0	1.8	1.5	0	0	0	0	5	2	1.4	2	4	7.5	7.5	3.5	2	4	11	2.5	11.5	12.5	5	3	5.5	5.5	2	1.5				

Appendix 2. Summary of the results from the SIMPER procedure

	Taxon	Contribution to dissimilarity (%)
1. Protected versus exposed locations		
Average dissimilarity = 67.49		
	<i>Lobophora variegata</i>	12.03
	Unidentified filamentous turf	10.76
	<i>Dyctiota dichotoma</i>	7.29
	<i>Stypocaulon scoparium</i>	5.87
	<i>Asparagopsis</i> spp.	5.79
	<i>Padina pavonica</i>	5.61
	<i>Jania</i> spp.	5.49
	<i>Cystoseira abies-marina</i>	5.13
2. Dissimilarities among islands		
2.1 Chinijo versus Lanzarote		
Average dissimilarity = 70.99		
	Unidentified filamentous turf	9.01
	<i>Sargassum</i> spp.	8.84
	<i>Stypocaulon scoparium</i>	8.35
	<i>Cystoseira mauritanica</i>	7.34
	<i>Lobophora variegata</i>	6.85
	<i>Padina pavonica</i>	6.48
	<i>Cystoseira abies-marina</i>	6.28
	<i>Asparagopsis</i> spp.	6.00
2.2 Chinijo versus Fuerteventura		
Average dissimilarity = 62.97		
	Unidentified filamentous turf	11.42
	<i>Stypocaulon scoparium</i>	10.98
	<i>Sargassum</i> spp.	9.50
	<i>Padina pavonica</i>	8.31
	<i>Cystoseira mauritanica</i>	7.92
	<i>Jania</i> spp.	7.92
	<i>Dyctiota dichotoma</i>	6.42
	<i>Lobophora variegata</i>	6.21
2.3 Chinijo versus Gran Canaria		
Average dissimilarity = 56.92		
	Unidentified filamentous turf	10.50
	<i>Dyctiota dichotoma</i>	10.49
	<i>Sargassum</i> spp.	9.50
	<i>Cystoseira mauritanica</i>	8.32
	<i>Lobophora variegata</i>	8.11
	<i>Stypocaulon scoparium</i>	7.33
2.4 Lanzarote versus Gran Canaria		
Average dissimilarity = 58.14		
	<i>Stypocaulon scoparium</i>	9.79
	<i>Dyctiota dichotoma</i>	8.06
	<i>Lobophora variegata</i>	7.93
	<i>Cystoseira abies-marina</i>	7.92
	<i>Colpomenia sinuosa</i>	7.33
	<i>Asparagopsis</i> spp.	6.97
2.5 Fuerteventura versus Gran Canaria		
Average dissimilarity = 50.20		
	<i>Dyctiota dichotoma</i>	9.54
	<i>Stypocaulon scoparium</i>	9.24
	<i>Lobophora variegata</i>	8.75
	<i>Padina pavonica</i>	7.59
	<i>Colpomenia sinuosa</i>	7.02
	Unidentified filamentous turf	6.82
	<i>Asparagopsis</i> spp.	6.50
2.6 Chinijo versus Tenerife		
Average dissimilarity = 68.91		
	Unidentified filamentous turf	11.85
	<i>Cystoseira abies-marina</i>	9.30
	<i>Sargassum</i> spp.	9.21
	<i>Cystoseira mauritanica</i>	7.64
	<i>Dyctiota dichotoma</i>	7.52
	<i>Asparagopsis</i> spp.	7.47
2.7 Lanzarote versus Tenerife		
Average dissimilarity = 64.10		
	<i>Cystoseira abies-marina</i>	12.05
	<i>Stypocaulon scoparium</i>	10.50
	Unidentified filamentous turf	8.77
	<i>Padina pavonica</i>	8.53

Appendix 2 (continued)

	Taxon	Contribution to dissimilarity (%)
2.8 Fuerteventura versus Tenerife Average dissimilarity = 66.15	<i>Asparagopsis</i> spp.	7.34
	<i>Dyctiota dichotoma</i>	6.88
	<i>Stypocaulon scoparium</i>	12.35
	<i>Jania</i> spp.	11.28
	<i>Cystoseira abies-marina</i>	9.24
2.9 Gran Canaria versus Tenerife Average dissimilarity = 53.45	<i>Lophocladia trichoclados</i>	7.51
	<i>Cystoseira abies-marina</i>	11.21
	<i>Lobophora variegata</i>	10.12
	<i>Lophocladia trichoclados</i>	8.85
	<i>Colpomenia sinuosa</i>	8.20
2.10 Chinijo versus Gomera Average dissimilarity = 70.98	<i>Asparagopsis</i> spp.	8.05
	<i>Stypocaulon scoparium</i>	7.93
	Unidentified filamentous turf	15.95
	<i>Sargassum</i> spp.	9.06
	<i>Cystoseira mauritanica</i>	7.51
2.11 Lanzarote versus Gomera Average dissimilarity = 79.81	<i>Colpomenia sinuosa</i>	7.39
	<i>Asparagopsis</i> spp.	7.04
	<i>Lobophora variegata</i>	6.82
	Unidentified filamentous turf	14.70
	<i>Asparagopsis</i> spp.	10.48
2.12 Fuerteventura versus Gomera Average dissimilarity = 74.98	<i>Stypocaulon scoparium</i>	7.13
	<i>Cystoseira abies-marina</i>	7.11
	<i>Padina pavonica</i>	6.56
	<i>Dyctiota dichotoma</i>	5.89
	Unidentified filamentous turf	11.36
2.13 Gran Canaria versus Gomera Average dissimilarity = 65.89	<i>Jania</i> spp.	11.24
	<i>Stypocaulon scoparium</i>	11.04
	<i>Padina pavonica</i>	8.27
	<i>Asparagopsis</i> spp.	8.01
	<i>Corallina elongata</i>	7.27
2.14 Tenerife versus Gomera Average dissimilarity = 54.35	<i>Dyctiota dichotoma</i>	6.38
	Unidentified filamentous turf	13.76
	<i>Dyctiota dichotoma</i>	12.99
	<i>Lobophora variegata</i>	8.31
	<i>Colpomenia sinuosa</i>	7.17
2.15 Chinijo versus La Palma Average dissimilarity = 68.91	<i>Jania</i> spp.	6.99
	<i>Stypocaulon scoparium</i>	6.51
	Unidentified filamentous turf	14.20
	<i>Cystoseira abies-marina</i>	13.36
	<i>Dyctiota dichotoma</i>	12.93
2.16 Lanzarote versus La Palma Average dissimilarity = 77.32	<i>Asparagopsis</i> spp.	9.78
	<i>Lophocladia trichoclados</i>	9.52
	<i>Corallina elongata</i>	8.74
	<i>Lobophora variegata</i>	18.41
	Unidentified filamentous turf	10.33
2.16 Lanzarote versus La Palma Average dissimilarity = 77.32	<i>Sargassum</i> spp.	9.45
	<i>Cystoseira mauritanica</i>	7.81
	<i>Colpomenia sinuosa</i>	6.79
	<i>Asparagopsis</i> spp.	5.94
	<i>Lobophora variegata</i>	20.23
2.16 Lanzarote versus La Palma Average dissimilarity = 77.32	<i>Stypocaulon scoparium</i>	7.46
	<i>Padina pavonica</i>	6.86

Appendix 2 (continued)

	Taxon	Contribution to dissimilarity (%)
	<i>Cystoseira abies-marina</i>	6.04
	Unidentified filamentous turf	5.85
	<i>Dyctiota dichotoma</i>	5.81
2.17 Fuerteventura versus La Palma Average dissimilarity = 78.21	<i>Lobophora variegata</i>	19.30
	<i>Stypocaulon scoparium</i>	10.70
	<i>Jania</i> spp.	9.57
	<i>Padina pavonica</i>	8.02
	<i>Dyctiota dichotoma</i>	7.16
	Unidentified filamentous turf	6.42
2.18 Gran Canaria versus La Palma Average dissimilarity = 64.76	<i>Lobophora variegata</i>	16.08
	<i>Dyctiota dichotoma</i>	12.37
	<i>Stypocaulon scoparium</i>	6.69
	<i>Padina pavonica</i>	6.62
	<i>Colpomenia sinuosa</i>	6.55
	Unidentified filamentous turf	6.46
2.19 Tenerife versus La Palma Average dissimilarity = 72.82	<i>Lobophora variegata</i>	24.69
	<i>Dyctiota dichotoma</i>	9.34
	<i>Cystoseira abies-marina</i>	9.27
	Unidentified filamentous turf	8.83
	<i>Lophocladia trichoclados</i>	7.45
	<i>Asparagopsis</i> spp.	6.31
2.20 Gomera versus La Palma Average dissimilarity = 71.91	<i>Lobophora variegata</i>	25.35
	Unidentified filamentous turf	15.97
	<i>Asparagopsis</i> spp.	11.11
	<i>Corallina elongata</i>	7.51
	<i>Cystoseira compresa</i>	5.10
	<i>Dyctiota dichotoma</i>	4.66
2.21 Chinijo versus El Hierro Average dissimilarity = 71.85	<i>Lobophora variegata</i>	19.40
	<i>Sargassum</i> spp.	10.38
	Unidentified filamentous turf	8.41
	<i>Cystoseira mauritanica</i>	7.87
	<i>Colpomenia sinuosa</i>	7.80
	<i>Asparagopsis</i> spp.	6.17
2.22 Lanzarote versus El Hierro Average dissimilarity = 83.98	<i>Lobophora variegata</i>	20.30
	<i>Sargassum</i> spp.	7.39
	<i>Stypocaulon scoparium</i>	7.25
	<i>Dyctiota dichotoma</i>	6.14
	<i>Padina pavonica</i>	6.10
	<i>Lophocladia trichoclados</i>	5.87
2.23 Fuerteventura versus El Hierro Average dissimilarity = 88.50	<i>Lobophora variegata</i>	18.54
	<i>Stypocaulon scoparium</i>	9.95
	<i>Jania</i> spp.	9.48
	Unidentified filamentous turf	7.23
	<i>Padina pavonica</i>	7.12
	<i>Sargassum</i> spp.	6.65
2.24 Gran Canaria versus El Hierro Average dissimilarity = 74.00	<i>Lobophora variegata</i>	15.45
	<i>Dyctiota dichotoma</i>	13.07
	<i>Sargassum</i> spp.	7.57
	<i>Colpomenia sinuosa</i>	6.77
	Unidentified filamentous turf	6.34
	<i>Stypocaulon scoparium</i>	6.13
2.25 Tenerife versus El Hierro Average dissimilarity = 81.89	<i>Lobophora variegata</i>	23.87

Appendix 2 (continued)

	Taxon	Contribution to dissimilarity (%)
	Unidentified filamentous turf	10.78
	<i>Dyctiota dichotoma</i>	9.94
	<i>Cystoseira abies-marina</i>	8.74
	<i>Sargassum</i> spp.	7.67
	<i>Lophocladia trichoclados</i>	6.18
2.26 Gomera versus El Hierro Average dissimilarity = 85.44	<i>Lobophora variegata</i>	23.20
	Unidentified filamentous turf	19.22
	<i>Asparagopsis</i> spp.	10.20
	<i>Sargassum</i> spp.	7.45
	<i>Corallina elongata</i>	6.01
	<i>Dyctiota dichotoma</i>	5.93
2.27 La Palma versus El Hierro Average dissimilarity = 48.34	<i>Sargassum</i> spp.	13.3
	Unidentified filamentous turf	9.33
	<i>Cystoseira compressa</i>	9.14
	<i>Lobophora variegata</i>	8.02
	<i>Dyctiota dichotoma</i>	6.54
	<i>Stypopodium zonale</i>	5.32