

**Appendix 1** *Symbiodinium* sp. clade B. Summary of symbiont populations of

*Pseudopterogorgia elisabethae* with two alleles and/or null alleles at a microsatellite

locus. Number of colonies from each site with the genotype shown given as n

Site	Genotype		n
	Allele size at:		
	Locus CA4.86	Locus CA6.38	
SC	189	null	1
	189	98, 118	1
GR	193	116, 118	2
AS	191, 195	116	1
	193, 195	116	1
	191, 193	116	1
AD	191, 193	116, 118	2
SH	null	100, 118	1
	193	100, 118	1
EE	null	null	2
	195	null	3
	null	null	2
LS	191, 195	118	8
	191, 193	118	1
	191, 193	null	1
	193, 195	118	1
	193, 195	116, 118	1
	191, 197	118	1
	null	null	1
CI	195	null	3
	null	null	1
HC	193, 195	98	2
RC	193	96, 122	1
	193	96, 122	1
	null	96	1
	null	null	1

**Appendix 2** *Symbiodinium* sp. clade B. Symbiont allelic diversity, estimated as the expected heterozygosity index H, for *Pseudopterogorgia elisabethae* at 12 sites in the Bahamas

Site	Heterozygosity (H)	
	Locus	Locus
	CA4.86	CA6.38
SC	0.313	0.274
GR	0.197	0.428
AS	0.446	0.343
AD	0.493	0.461
SH	0.042	0.114
EE	0.194	0.435
LS	0.611	0.222
CI	0.153	0.000
HC	0.305	0.122
RC	0.194	0.406
PR	0.077	0.000
RR	0.000	0.000
Over all populations	0.611	0.760

