

**Table S2.** Haplotype count for each species, locus and population***Favia gravida* and *Favia fragum*, Pax-C**

Haplotype	BR1	BR2	CA1	WA1
	Abrolhos	João Pessoa	Panamá	São Tomé
FFP1	16	12	0	0
FFP2	10	34	0	40
FFP3	0	0	4	0
FFP4	0	0	15	0
FFP5	0	0	13	0
TOTAL	26	46	32	40

***Favia gravida* and *Favia fragum*,  $\beta$ -tubulin**

Haplotype	BR1	BR2	CA1	WA1
	Abrolhos	João Pessoa	Panamá	São Tomé
FFB1	33	21	0	19
FFB2	5	0	0	0
FFB3	0	6	0	0
FFB4	0	25	0	0
FFB5	0	0	24	0
FFB6	0	0	4	0
FFB7	0	0	4	0
FFB8	0	0	4	0
FFB9	0	0	0	9
FFB10	0	0	0	12
TOTAL	38	52	36	40

***Porites astreoides* -  $\beta$ -tubulin**

Haplotype	BR2	CA1
	João Pessoa	Panamá
PAB1	20	0
PAB2	16	8
PAB3	5	0
PAB4	1	0
PAB5	0	9
PAB6	0	5
PAB7	0	2
TOTAL	42	24

***Siderastrea radicans*, Pax-C**

Haplotype	BR1	BR2	BR3	CA1	WA1
	Abrolhos	João Pessoa	Fortaleza	Panamá	São Tomé
SRP1	8	6	10	15	25
SRP2	6	4	6	0	15
SRP3	0	12	0	0	1
SRP4	0	4	4	0	2
SRP5	0	1	0	1	0
SRP6	0	0	0	2	0
SRP7	0	0	0	2	0
SRP8	0	0	0	1	0
SRP9	0	0	0	0	1
TOTAL	14	27	20	21	44

***Siderastrea radians,  $\beta$ -tubulin***

Haplotype	BR1	BR2	BR3	CA1	WA1
	Abrolhos	João Pessoa	Fortaleza	Panamá	São Tomé
SRB1	2	0	0	0	0
SRB2	2	0	6	6	18
SRB3	1	0	0	0	1
SRB4	1	1	0	0	0
SRB5	0	10	0	0	0
SRB6	0	1	4	0	7
SRB7	0	2	0	0	0
SRB8	0	0	4	1	1
SRB9	0	0	0	5	0
SRB10	0	0	0	4	13
SRB11	0	0	0	1	0
SRB12	0	0	0	1	0
SRB13	0	0	0	1	0
SRB14	0	0	0	1	0
TOTAL	6	14	14	20	40

***Siderastrea siderea, Pax-C***

Haplotype	BR2	BR3	CA1	WA1
	João Pessoa	Fortaleza	Panamá	São Tomé
SSP1	20	12	2	34
SSP2	5	5	0	0
SSP3	4	1	6	0
SSP4	0	1	0	0
SSP5	0	1	0	0
SSP6	0	0	3	0
SSP7	0	0	4	0
SSP8	0	0	7	0
SSP9	0	0	2	0
SSP10	0	0	1	0
SSP11	0	0	2	0
SSP12	0	0	0	2
TOTAL	29	20	27	36

***Siderastrea siderea,  $\beta$ -tubulin***

Haplotype	BR1	BR2	BR3	CA1	WA1
	Abrolhos	João Pessoa	Fortaleza	Panamá	São Tomé
SSB1	2	1	1	0	0
SSB2	2	1	3	0	0
SSB3	1	3	0	1	0
SSB4	1	2	0	0	0
SSB5	2	3	0	0	0
SSB6	1	0	0	0	0
SSB7	1	0	0	0	0
SSB8	0	9	7	0	0
SSB9	0	2	0	0	0
SSB10	0	1	0	0	0
SSB11	0	2	0	0	0
SSB12	0	1	0	0	0

***Siderastrea siderea*,  $\beta$ -tubulin (cont.)**

Haplotype	BR1	BR2	BR3	CA1	WA1
	Abrolhos	João Pessoa	Fortaleza	Panamá	São Tomé
SSB13	0	1	0	0	0
SSB14	0	1	0	0	0
SSB15	0	1	0	0	0
SSB16	0	1	0	0	0
SSB17	0	1	0	0	0
SSB18	0	1	0	0	0
SSB19	0	4	1	0	0
SSB20	0	1	0	0	0
SSB21	0	2	0	0	0
SSB22	0	0	3	0	0
SSB23	0	0	2	0	0
SSB24	0	0	1	0	0
SSB25	0	0	6	0	0
SSB26	0	0	0	1	0
SSB27	0	0	0	1	0
SSB28	0	0	0	1	0
SSB29	0	0	0	1	0
SSB30	0	0	0	1	0
SSB31	0	0	0	1	0
SSB32	0	0	0	1	0
SSB33	0	0	0	1	0
SSB34	0	0	0	1	0
SSB35	0	0	0	1	0
SSB36	0	0	0	3	35
SSB37	0	0	0	2	0
SSB38	0	0	0	1	0
SSB39	0	0	0	1	0
SSB40	0	0	0	1	0
SSB41	0	0	0	1	0
SSB42	0	0	0	1	0
SSB43	0	0	0	1	0
SSB44	0	0	0	1	0
SSB45	0	0	0	1	0
SSB46	0	0	0	1	0
SSB47	0	0	0	1	0
SSB48	0	0	0	1	0
SSB49	0	0	0	1	0
SSB50	0	0	0	4	0
SSB51	0	0	0	1	0
SSB52	0	0	0	1	0
SSB53	0	0	0	1	0
SSB54	0	0	0	1	0
SSB55	0	0	0	1	0
SSB56	0	0	0	1	0
SSB57	0	0	0	0	1
SSB58	0	0	0	0	2
SSB59	0	0	0	0	1
SSB60	0	0	0	0	1
TOTAL	10	38	24	38	40