

TABLE 1. Characteristics of microsatellite loci for *Rafflesia lagascae* and *R. manillana*. Annealing temperature was 60°C for all loci.

Underlined nucleotides within primers indicate the M13 tag.

Locus	Primer sequences (5'–3')	Repeat motif	Allele size range (bp)	GenBank accession no.
Man78	F: CCTTGTCACTGCCATTTC R: <u>GGAAACAGCTATGACCAT</u> CAGTTCATGCGGACCCATC	AG	186-232	KX212099
Man80	F: TCAGGATTCGTGAGCCAAGG R: <u>GGAAACAGCTATGACCATA</u> ACACAGGCCGAAGTTGATC	AC	269-297	KX212101
Man109	F: ACGTAGTCATCCATTGAAAGGG R: <u>GGAAACAGCTATGACCATA</u> CTTGCCAGCCAGCTTC	AC	376-406	KX212086
Man111	F: GTTGGATTCATCACGTTTCATGC R: <u>GGAAACAGCTATGACCAT</u> CACCTTCGGCATTTCATCCTG	AC	398-449	KX212087
Man120	F: TGTTACTTTGTCTGCCCTTCAC R: <u>GGAAACAGCTATGACCAT</u> GTGTATTCCAACGAGCAGG	AG	186-206	KX212091
Man142	F: <u>GGAAACAGCTATGACCATA</u> CCAGCAAGCGAAGTAC R: TTCATTTGTGAAGAAGACGAGC	AG	328-346	KX212092
Man144	F: <u>GGAAACAGCTATGACCAT</u> TCCTCTTCAGCCAGTCGG R: GTACTCATGAGGTTGTTGGCG	AC	179-195	KX212093
Man166	F: <u>GGAAACAGCTATGACCAT</u> GCCCATACATATCCATACACC R: CCCAAGCTCACACAAAGGAG	AC	101-145	KX212094
Man171	F: <u>GGAAACAGCTATGACCAT</u> GCCCGCTTCACCATTAATC R: AGAAGCGAGGTGAAATGATCTC	AAT	238-265	KX212095
Man273	F: GCGTGGTTCATTCATGGAGG R: <u>GGAAACAGCTATGACCATA</u> ACTTCAGGCCCTTCTCTCG	AC	203-238	KX212096
Man553	F: <u>GGAAACAGCTATGACCAT</u> CCACATGCACTCTACCCTC	AC	162-197	KX212097

	R: TGAGAAAGACTTTGGGAGATGG			
Man714	F: <u>GGAAACAGCTATGACCAT</u> GTGCGTGCATAACTAACCC	AC	220-288	KX212098
	R: CATTAGGCTCTGCACACCTTG			
Man788	F: <u>GGAAACAGCTATGACCAT</u> CCTTCACTTCCACACTACACC	AG	334-352	KX212100
	R: AGAGATGGGTGGGAAAGGAAG			
Man866	F: ATCTACATGAGTCTGTGTGCC	AC	147-171	KX212102
	R: <u>GGAAACAGCTATGACCATA</u> CAGTTACACAGAGACACTTGG			
Man1134	F: <u>GGAAACAGCTATGACCAT</u> CCTAGACCTTGGTTTGGG	AC	439-464	KX212088
	R: TTTAGCCTGGGTTTGGAGGG			
Man1169	F: CTTTGGTCGAGTAAGGCTAGTC	AC	130-176	KX212089
	R: <u>GGAAACAGCTATGACCATA</u> CCTCAACTTCAATGCGTGC			
Man1193	F: <u>GGAAACAGCTATGACCAT</u> CCCTCTCCACTATTTATCGAC	AG	331-356	KX212090
	R: ACAAGCAAGGAAGATAGACGG			

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TABLE 2. Genetic diversity and number of private alleles observed at 17 microsatellite loci for 13 populations of the *R. lagascae* complex. Number of *Tetrastigma* host plants from which *Rafflesia* samples were taken, number of *Rafflesia* samples, percentage of polymorphic loci (P), allelic richness (Na), number of effective alleles (Ne), number of private alleles (Na(p)), observed heterozygosity (H_o), expected heterozygosity (H_e), unbiased expected heterozygosity (uH_e), and inbreeding coefficient (F_{IS}). SE = Standard Error. *Populations with a significant deviation from Hardy–Weinberg proportions due to heterozygote deficits after B-Y correction (Narum 2006).

Population:	Protected area:	# Hosts sampled	# <i>Rafflesia</i> samples	P	Na (SE)	Ne (SE)	Na(p)	H_o (SE)	H_e (SE)	uH_e (SE)	F_{IS} (SE)
Aurora Memorial Natural Park	Aurora Memorial Natural Park	7	9	100%	5.47 (0.67)	4.09 (0.59)	6	0.67 (0.06)	0.67 (0.05)	0.71 (0.05)	-0.01 (0.05)
Bolos Point	No protective status	11	13	100%	7.82 (0.64)	5.14 (0.52)	21	0.75 (0.05)	0.76 (0.04)	0.79 (0.04)	0.01 (0.05)*
Burgos	Pantabangan-Carranglan Watershed Forest Reserve	4	4	94%	4.18 (0.31)	3.19 (0.28)	4	0.58 (0.06)	0.63 (0.05)	0.72 (0.06)	0.05 (0.08)
Maria Aurora	No protective status	2	3	88%	3.06 (0.29)	2.60 (0.24)	1	0.73 (0.09)	0.54 (0.06)	0.69 (0.07)	-0.35 (0.09)

Mt. Banahaw	Mounts Banahaw-San	1	1	65%	1.65	1.65	1	0.65	0.32	0.65	-1.00
	Cristobal Protected Landscape				(0.12)	(0.12)		(0.12)	(0.06)	(0.12)	(0.00)
Mt. Irid	No protective status	8	12	100%	6.65	4.48	11	0.66	0.71	0.74	0.12
					(0.73)	(0.52)		(0.07)	(0.05)	(0.05)	(0.07)*
Mt. Labo	No protective status	20	21	100%	3.94	2.52	6	0.48	0.52	0.54	0.07
					(0.36)	(0.25)		(0.05)	(0.05)	(0.06)	(0.04)
Mt. Makiling	Mt. Makiling Forest Reserve	4	5	94%	3.82	2.97	8	0.60	0.56	0.63	-0.07
					(0.46)	(0.43)		(0.08)	(0.05)	(0.06)	(0.09)
Mt. Malinao	No protective status	2	2	59%	1.82	1.74	3	0.44	0.32	0.42	-0.39
					(0.29)	(0.28)		(0.11)	(0.07)	(0.10)	(0.13)
Mt. Mingan	No protective status	1	1	65%	1.65	1.65	1	0.65	0.32	0.65	-1.00
					(0.12)	(0.12)		(0.12)	(0.06)	(0.12)	(0.00)
Mt. Natib	Bataan National Park	2	3	82%	2.53	2.21	3	0.45	0.44	0.53	0.01
					(0.26)	(0.24)		(0.09)	(0.06)	(0.08)	(0.12)
Salazar	Pantabangan-Carranglan	8	11	100%	6.53	4.18	7	0.71	0.70	0.74	-0.01
	Watershed Forest Reserve				(0.70)	(0.48)		(0.06)	(0.04)	(0.04)	(0.07)
Basey	Samar Island Natural Park	10	13	82%	3.29	2.36	7	0.43	0.46	0.49	0.13

				(0.42)	(0.27)		(0.09)	(0.07)	(0.07)	(0.10)
Total means	80	98	87%	4.03	2.98	6.07	0.60	0.53	0.64	-0.14
				(0.18)	(0.12)		(0.02)	(0.02)	(0.02)	(0.03)

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TABLE 3. Pairwise F_{st} values between populations of the *R. lagascae* complex. *Non-significant pairwise comparisons after B-Y correction (Narum 2006).

		Bolos Point	Aurora Memorial Natural Park	Maria Aurora	Salazar	Burgos	Mt. Irid	Mt. Natib	Mt. Makiling	Mt. Malinao	Mt. Labo
<i>R. lagascae</i>	Bolos Point										
<i>R. lagascae</i>	Aurora Memorial Natural Park	0.088									
<i>R. lagascae</i>	Maria Aurora	0.100	0.053								
<i>R. lagascae</i>	Salazar	0.077	0.074	0.120							
<i>R. lagascae</i>	Burgos	0.099	0.087	0.127	0.004*						
<i>R. lagascae</i>	Mt. Irid	0.066	0.066	0.100	0.042	0.037*					
<i>R. lagascae</i>	Mt. Natib	0.147	0.209	0.263	0.184	0.192	0.169				
<i>R. lagascae</i>	Mt. Makiling	0.120	0.186	0.227	0.168	0.182	0.131	0.211			
<i>R. lagascae</i>	Mt. Malinao	0.254	0.309	0.393	0.209	0.282	0.239	0.385	0.387		

<i>R. lagascae</i>	Mt. Labo	0.232	0.318	0.373	0.283	0.343	0.275	0.386	0.304	0.413	
<i>R. manillana</i>	Basey	0.245	0.268	0.338	0.217	0.265	0.214	0.375	0.385	0.381	0.412

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