

Table 4 Population subdivision at mitochondrial loci according to Hudson's test statistics Ks (upper right matrix) and Kst (lower left matrix)

	Bolivia	Brazil	Peru	Ecuador	Ecuador Anarr	Costa Rica	Mexico	USA	Ireland
Bolivia			3.4438ns	1.5357ns	6.8250ns	0.0000***	0.5778***	3.6444*	2.7000ns
Brazil			3.4438ns	1.5357ns	6.8250ns	0.0000***	0.5778***	3.6444*	2.7000ns
Peru	0.2219ns	0.2219ns		3.8117ns	7.2933ns	3.0813*	3.0551**	5.1460ns	5.0321ns
Ecuador	0.0089ns	0.0089ns	0.1299ns		6.5350ns	1.3437***	1.5877***	4.0088ns	3.4643ns
Ecuador Anarr	0.0488ns	0.0488ns	0.0624ns	0.0177ns			5.6127***	7.8032ns	8.5125ns
Costa Rica	1.0000***	1.0000**	0.2319*	0.7267***			0.5098ns	3.2157*	2.2500*
Mexico	0.8819***	0.8819***	0.2500**	0.6949***	0.3524***	0.0631ns		3.1667**	2.3778*
USA	0.2126*	0.2126*	-0.0177ns	0.1189ns	0.0549ns	0.2831*	0.2963**		4.8741ns
Ireland	0.1562ns	0.1562ns	-0.0561ns	0.0055ns	0.0034ns	0.3889*	0.3565*	-0.0402ns	

Significance was evaluated by performing 1000 permutations for each data set including incompatible sites and recombinant sequences.

Comparisons within populations of South American and within non-South American populations are in bold.

Ecuador Anarr: Ecuadorian population including isolates from *S. tetrapetalum*

ns, not significant; *, 0.01<0.05; **, 0.001<P<0.01; ***, P<0.001