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Incongruence of morphological determinations and DNA barcode sequences: a case study in *Cinnamomum* (*Lauraceae*)

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Table 3. Pairwise distances (p distances) among the ITS sequences compared. Above the diagonal: number of substitutions in ITS-1 / 5.8S / ITS-2. Below the diagonal: difference in number of indels. For the questionable specimen received as "*Cinnamomum porrectum*", the most frequent copy (Q1, identical with the result of direct Sanger sequencing, MF110039) and the second most frequent copy (Q2) are included separately. Pairwise distances of 0 or 1 in ITS-1 or ITS-2 shaded in dark and light grey, respectively. Sequences KP218517 and KP218518 are from the same voucher and completely identical, therefore only KP218517 is included here.

	Acronym	AF272260	JN115020	JX242469	KP092856	KP092857	KP218517	KT248576	KU139826	KX509822	KX546414
Cinnamomum camphora	AF272260	—	6 10 29	13 15 41	20 1 0	23 2 16	22 1 3	19 1 0	23 1 0	23 1 0	23 1 1
	JN115020	5	—	4 9 27	17 11 29	17 12 26	16 11 28	18 11 29	17 11 29	17 11 29	17 11 29
	JX242469	5	0	—	23 15 41	26 16 39	27 15 44	22 15 40	28 15 40	28 15 43	28 15 42
	KP092856	2	7	7	—	11 1 16	4 0 3	2 0 0	1 0 0	1 0 0	1 0 1
	KP092857	9	6	8	9	—	10 1 18	10 1 16	11 1 16	11 1 16	11 1 17
	KP218517	2	7	7	0	9	—	3 0 3	3 0 2	3 0 3	3 0 2
	KT248576	2	7	7	0	8	0	—	0 0 0	1 0 0	1 0 1
	KU139826	2	7	7	0	9	0	0	—	0 0 0	0 0 0
	KX509822	2	7	7	0	9	0	0	0	—	0 0 1
	KX546414	2	7	7	0	9	0	0	0	0	—
	KX546537	2	7	7	0	9	0	0	0	0	0
	KX766404	2	7	7	0	9	0	0	0	0	0
	MF110040	2	7	7	0	9	0	0	0	0	0
C. parthenox.	KP092858	2	5	5	2	6	2	2	2	2	2
	KU139870	2	5	5	2	7	2	2	2	2	2
	KU139871	4	5	7	4	9	4	4	4	4	4
	KX546421	2	5	5	2	7	2	2	2	2	2
	MF110054	2	5	5	2	7	2	2	2	2	2
	Q1	2	7	7	0	9	0	0	0	0	0
	Q2	1	6	6	1	8	1	1	1	1	1

Table 3. (continued from previous page)

	Acronym	KX546537			KX766404			MF110040			KP092858			KU139870			KU139871			KX546421			MF110054			Q1			Q2		
Cinnamomum camphora	AF272260	23	1	0	22	1	3	23	1	0	15	1	5	22	1	5	23	1	5	22	1	5	20	1	3	24	1	0	22	1	4
	JN115020	17	11	29	16	11	28	17	11	29	16	11	26	14	11	26	16	11	26	16	11	26	14	11	27	18	11	29	16	11	26
	JX242469	28	15	41	27	15	44	28	15	43	19	15	38	27	15	37	28	15	37	27	15	38	25	15	40	29	15	43	27	15	40
	KP092856	1	0	0	4	0	3	1	0	0	4	0	5	8	0	5	6	0	5	5	0	5	6	0	3	2	0	0	5	0	4
	KP092857	11	1	16	10	1	18	11	1	16	8	1	15	10	1	15	9	1	15	9	1	15	10	1	14	12	1	16	9	1	15
	KP218517	3	0	3	0	0	0	3	0	3	3	0	6	6	0	6	6	0	6	5	0	6	5	0	6	4	0	2	5	0	5
	KT248576	0	0	0	3	0	3	1	0	0	2	0	5	7	0	5	4	0	5	2	0	5	5	0	3	0	0	0	2	0	4
	KU139826	0	0	0	3	0	2	0	0	0	2	0	5	7	0	5	6	0	5	5	0	5	6	0	3	0	0	0	5	0	4
	KX509822	0	0	0	3	0	3	0	0	0	3	0	5	7	0	5	7	0	5	6	0	5	6	0	3	1	0	0	6	0	4
	KX546414	0	0	1	3	0	2	0	0	1	3	0	6	7	0	6	7	0	6	6	0	6	6	0	4	1	0	0	6	0	5
	KX546537		—		3	0	3	0	0	0	2	0	5	7	0	5	6	0	5	5	0	5	6	0	3	0	0	0	5	0	4
	KX766404		0			—		3	0	3	3	0	6	6	0	6	6	0	6	5	0	6	5	0	6	4	0	2	5	0	5
	MF110040		0			0			—		3	0	5	7	0	5	7	0	5	6	0	5	6	0	3	1	0	0	6	0	4
C. parthenox.	KP092858		2			2			2			—		4	0	2	2	0	2	0	0	0	3	0	2	2	0	5	0	0	0
	KU139870		2			2			2			0			—		8	0	2	7	0	2	5	0	2	8	0	5	7	0	2
	KU139871		4			4			4			2			2			—		3	0	2	7	0	2	6	0	5	3	0	2
	KX546421		2			2			2			0			0			2			—		6	0	2	5	0	5	0	0	0
	MF110054		2			2			2			0			0			2			0			—		7	0	3	6	0	2
	Q1		0			0			0			2			2			4			2			2			—		5	0	4
	Q2		1			1			1			1			1			3			1			1			2			—	

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