

Appendix 1. Species of *Cleistes* and outgroup taxa included in the molecular study, voucher data, markers and GenBank accession numbers.

Species	Voucher	Data collected	GenBank accessions
<i>Cleistes aphylla</i> (Barb. Rodr.) Hoehne	Pansarin and Mickeliunas 899 (UEC)	ITS, <i>trnL-F</i>	EU498138, EU498194
<i>Cleistes aphylla</i> (Barb. Rodr.) Hoehne	Mickeliunas and Pansarin 14 (UEC)	<i>rps16</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498167, EU498117, EU498094, JX912738, JX912806
<i>Cleistes bella</i> Rchb. f & Warm.	Pansarin and Mickeliunas 921 (UEC)	<i>trnL-F</i>	EU498195
<i>Cleistes bella</i> Rchb. f & Warm.	Mickeliunas and Pansarin s.n. (UEC)	ITS, <i>rps16</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498140, EU498168, EU498118, EU498095, JX912740, JX912810
<i>Cleistes castaneoides</i> Hoehne	Pansarin and Mickeliunas 873 (UEC)	<i>rps16</i>	EU498170
<i>Cleistes castaneoides</i> Hoehne	Pansarin et al. s.n. (UEC)	<i>trnL-F</i>	EU498196
<i>Cleistes castaneoides</i> var. <i>augusta</i> (Hoehne) J.A.N.Bat. & Pansarin	Pansarin and Mickeliunas 932 (UEC)	<i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498197, EU498121, EU498096, JX912753, JX912803
<i>Cleistes castaneoides</i> var. <i>augusta</i> (Hoehne) J.A.N.Bat. & Pansarin	Pansarin and Mickeliunas 935 (UEC)	<i>trnL-F</i>	
<i>Cleistes cipoana</i> Hoehne	Pansarin and Mickeliunas 915 (UEC)	ITS, <i>rps16</i> , <i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498142, EU498171, EU498198, EU498133, EU498097, JX912756, FJ425771
<i>Cleistes exilis</i> Hoehne	Pansarin and Mickeliunas 923 (UEC)	<i>trnL-F</i> , <i>psaB</i>	EU498200, EU498099
<i>Cleistes exilis</i> Hoehne	Mickeliunas and Pansarin 40 (UEC)	ITS, <i>rps16</i> , <i>rbcL</i> , 18S, 26S	EU498145, EU498173, EU498122, JX912758, JX912804
<i>Cleistes itatiaiae</i> Pabst	Pansarin and Mickeliunas 1007 (UEC)	<i>trnL-F</i>	EU498204
<i>Cleistes itatiaiae</i> Pabst	Pansarin and Mickeliunas 1129 (UEC)	ITS, <i>rps16</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498149, EU498177, EU498125, EU498104, JX912755, JX912808
<i>Cleistes libonii</i> (Rchb. f.) Schltr.	Pansarin and Mickeliunas 972 (UEC)	ITS, <i>rps16</i> , <i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498150, EU498178, EU498207, EU498126, EU498114, JX912731, JX912809
<i>Cleistes metallina</i> (Barb. Rodr.) Schltr.	Pansarin and Mickeliunas 909 (UEC)	ITS	EU498151
<i>Cleistes metallina</i> (Barb. Rodr.) Schltr.	Pansarin and Mickeliunas 1119 (UEC)	<i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498127, EU498105, JX912729, JX912812
<i>Cleistes metallina</i> (Barb. Rodr.) Schltr.	Pansarin and Mickeliunas 1145 (UEC)	<i>rps16</i> , <i>trnL-F</i>	EU498180, EU498209
<i>Cleistes montana</i> Gardner	Mickeliunas and Pansarin 46 (UEC)	ITS, <i>rps16</i> , <i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498146, EU498174, EU498202, EU498124, EU498102, JX912733, JX912799

Table 1. (continued)

Species	Voucher	Data collected	GenBank accessions
<i>Cleistes paranaensis</i> (Barb. Rodr.) Schltr.	Pansarin and Mickeliunas 920 (UEC)	<i>rps16</i> , <i>trnL-F</i>	EU498182, EU498210
<i>Cleistes paranaensis</i> (Barb. Rodr.) Schltr.	Mickeliunas and Pansarin 31 (UEC)	ITS, <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498152, EU498128, EU498106, JX912737, JX912798
<i>Cleistes parviflora</i> Lindl.	Pansarin et al. 782 (UEC)	<i>rps16</i> , <i>trnL-F</i> , <i>psaB</i> , 18S, 26S	EU498183, EU498212, EU498108, JX912757, JX912801
<i>Cleistes pusilla</i> Pansarin	Pansarin and Mickeliunas 901 (UEC)	<i>rps16</i>	EU498184
<i>Cleistes pusilla</i> Pansarin	Pansarin and Mickeliunas 922 (UEC)	ITS, <i>trnL-F</i>	EU498153, EU498213
<i>Cleistes pusilla</i> Pansarin	Mickeliunas and Pansarin 12 (UEC)	<i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498129, EU498107, JX912732, JX912817
<i>Cleistes ramboi</i> Pabst	Pansarin and Mickeliunas s.n. (UEC)	ITS, <i>trnL-F</i> , <i>rbcL</i>	EU498154, EU498214, EU498130
<i>Cleistes ramboi</i> Pabst	Pansarin et al. s.n. (UEC)	<i>rps16</i> , <i>psaB</i> , 18S, 26S	EU498185, EU498109, JX912730, JX912800
<i>Cleistes rosea</i> Lindl.	Cameron 1038 (NCU, WIS)	<i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	AJ409385, AF074128, AY380958, FJ425739, FJ425769
<i>Cleistes tenuis</i> Rchb. f.	Pansarin and Mickeliunas 940 (UEC)	ITS, <i>rps16</i> , <i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498156, EU498186, EU498216, EU498131, EU498103, JX912734, JX912815
<i>Cleistes uliginosa</i> Pabst	Pansarin and Mickeliunas 872 (UEC)	<i>trnL-F</i>	EU498218
<i>Cleistes uliginosa</i> Pabst	Pansarin and Mickeliunas 984 (UEC)	ITS, <i>rps16</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498158, EU498189, EU498132, EU498110, JX912754, JX912805
<i>Cleistesopsis bifaria</i> (Fernald) Pansarin & F.Barros	Rothacker 60 (UEC)	ITS, <i>rps16</i> , <i>trnL-F</i> , <i>rbcL</i> , <i>psaB</i> , 18S, 26S	EU498141, EU498169, EU498224, EU498119, EU498098, JX912735, JX912793