SUPPLEMENTARY MATERIAL

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Diversity of parasitoids (Hymenoptera) associated with tephritids (Diptera) paratising cucurbits in two agroecological zones of Cameroon, Central Africa

D.G. Mokam*, C. Djiéto-Lordon, L.S. Ngamo Tinkeu, P. Rousse, G. Delvare and C.F. Bilong Bilong

Table S1. Hymenopteran parasitism rate on *D. bivittatus* attacking cucurbits at three locations in Cameroon: Ngoa-Ekelé, Olembé, and Koutaba, from June 2008 to January 2011.

Loc	Host-plants	Mean parasitism rate (%) of each parasitoid species attacking *Dacus bivittatus*										
		Asobara sp.1	*Asobara* sp.2	*Diachasmimorpha* sp.	*Foppius* spp.	*Pachycrepoideus vindemmiae*	*Phaenocarpa* sp.	*Psyttalia perproximus*	*Spalangia* sp.	*Tetrastichus dacicidae*	*Tetrastichus giffardianus*	*Trichopria* spp.
Ngoa-Ekelé	*Citrullus lanatus* var. egusi	0	0	0	0	2.74 ± 0.65	0	4.87 ± 1.15[a]	0	0	0	0
	Citrullus lanatus var. watermelon	0	0	0	0	0	0	2.59 ± 0.61[a]	0	1.20 ± 0.28[a]	0	0
	Cucumeropsis mannii	0	0	0	2.99 ± 0.71[a]	0	0.42 ± 0.10[a]	3.77 ± 0.89[a]	0	0	0	0
	Cucumis melo var. charentais	0	0	0.02 ± 0.00	0.02 ± 0.00[a]	0	0	4.17 ± 0.98[a]	0	0.11 ± 0.03[a]	0	0
	Cucumis sativus	0.02 ± 0.00[a]	0	0	0.18 ± 0.04[a]	0	0.08 ± 0.02[a]	2.83 ± 0.67[a]	0.27 ± 0.06[a]	0.22 ± 0.05[a]	0	0
	Cucurbita moschata	0.21 ± 0.05[a]	1.03 ± 0.24	0	0.09 ± 0.02[a]	0	0	7.79 ± 1.83[b]	0.31 ± 0.07[a]	3.14 ± 0.98[a]	2.52 ± 0.59	0.03 ± 0.01
	Lagenaria siceraria	0	0	0	0	0	6.29 ± 1.48[b]	3.89 ± 0.92[a]	0	0	0	0
Olembé	*Citrullus lanatus* var. egusi	0	0	0	1.68 ± 0.43[a]	0	0.64 ± 0.17[a]	4.81 ± 1.24[a]	0	0	0	0
	Cucumeropsis mannii	0	0	0	7.93 ± 2.05[b]	0	5.14 ± 1.33[a]	1.25 ± 0.32[a]	0.26 ± 0.07	0.05 ± 0.01[a]	0	0
	Cucumis melo var. agrestis	0	0	0	0	0	0	0	0	0	0	0
	Cucumis melo var. charentais	0	0	0	0.08 ± 0.02[a]	0	0	9.73 ± 2.51[b]	0	0	0	0
	Cucumis sativus	0	0	0	0.40 ± 0.10[a]	0	0.10 ± 0.03[a]	0.40 ± 0.10[a]	0	0	0	0
	Cucurbita moschata	0	0	0	6.03 ± 1.56[b]	0	1.23 ± 0.32[a]	10.53 ± 2.72[b]	0	0.24 ± 0.06[a]	0	0
	Lagenaria siceraria	0	0	0	1.04 ± 0.27[a]	0	0.16 ± 0.04[a]	0.97 ± 0.25[a]	0	0	0	0
Koutaba	*Citrullus lanatus* var. egusi	0	0	0	0	0	0	4.36 ± 0.94[a]	0	3.97 ± 1.97[a]	0	0
	Citrullus lanatus var. watermelon	0	0	0	0	0	0	4.34 ± 3.97[a]	0	0	0	0
	Cucumeropsis mannii	0	0	0	0	0	0	0.14 ± 0.14[a]	0	0.15 ± 0.15[a]	0	0
	Cucumis sativus	0	0	0	0	0	0	1.56 ± 1.26[a]	0	1.79 ± 1.79[a]	0	0
	Cucurbita moschata	0	0.08 ± 0.07	0.34 ± 0.34	0	0	0.23 ± 0.23	7.93 ± 6.12[b]	0	0.44 ± 0.26[a]	0	0
	Lagenaria siceraria	0	0	0	0	0	0	1.61 ± 1.27[a]	0	3.67 ± 5.67[a]	0	0

Legend. Loc = Location. For each parasitoid species within a locality, values of parasitism rate between host-plants with different letters differ significantly at $P < 0.05$.

Table S2. Hymenopteran parasitism rate on *D. ciliatus* attacking cucurbits at three locations in Cameroon: Ngoa-Ekelé, Olembé, and Koutaba, from June 2008 to January 2011.

Locations	Host-plants	Mean parasitism rate (%)									
		Asobara sp.1	*Asobara* sp.2	*Fopius* spp.	*Pachycrepoideus vindemmiae*	*Phaenocarpa* sp.	*Psyttalia perproximus*	*Spalangia* sp.	*Tetrastichus dacicidae*	*Tetrastichus giffardianus*	*Trichopria* spp.
Ngoa-Ekelé	*Citrullus lanatus* var. egusi	0	0	0	12.27 ± 4.34[a]	0	5.81 ± 2.06[a]				
	Cucumeropsis mannii	0	0	11.18 ± 2.50[a]	0	0	6.92 ± 1.55[a]	0	0	0	0
	Cucumis melo var. charentais	0	0	0	0	0	0.41 ± 0.09[a]	0	0	0	0
	Cucumis sativus	0	0	0	2.23 ± 0.50[b]	0	9.43 ± 5.69[a]	0	0	0	0
	Cucurbita moschata	0.46 ± 0.10	0.73 ± 0.16	0.05 ± 0.01[b]	1.64 ± 0.37[b]	0.04 ± 0.01	12.79 ± 5.99[a]	0.88 ± 0.20	6.23 ± 1.39	2.48 ± 0.55	0.59 ± 0.13
	Lagenaria siceraria	0	0	0	0	0	7.71 ± 1.72[a]	0	0	0	0
Olembé	*Citrullus lanatus* var. egusi	0	0	0	0	3.33 ± 1.11	0	0	0	0	0
	Cucurbita moschata	0	0	8.11 ± 2.70	0	0	11.90 ± 6.63	0	0.67 ± 0.22	0	0
	Citrullus lanatus var. watermelon	0	0	0	0	0	2.64 ± 0.83[a]	0	0	0	0
Koutaba	*Cucurbita moschata*	0	4.50 ± 1.42a	0	0	0.68 ± 0.22	11.94 ± 3.78[b]	0	0.47 ± 0.15	0	0
	Lagenaria siceraria	0	0	0	0	0	5.75 ± 1.82[a]	0	0	0	0

Legend: for each parasitoid species within a locality, values of parasitism rate between host-plants with different letters differ significantly at $P < 0.05$.

Table S3. Hymenopteran parasitism rate on *D. punctatifrons* attacking cucurbits at three locations in Cameroon: Ngoa-Ekelé, Olembé, and Koutaba, from June 2008 to January 2011.

Locations	Host-plants	Mean parasitism rate (%)					
		Asobara sp.2	*Foppius* spp.	*Phaenocarpa* sp.	*Psyttalia perproximus*	*Tetrastichus dacicidae*	*Trichopria* spp.
Ngoa-Ekelé	*Citrullus lanatus* var. egusi	0	0	0	10.00 ± 5.00[a]	0	0
	Citrullus lanatus var. watermelon	0	0	0	9.53 ± 3.89[a]	0	0
	Cucumeropsis mannii	0	9.99 ± 3.16[a]	0	0	0	0
	Cucumis sativus	0	2.41 ± 0.62[a]	0.89 ± 0.23	10.30 ± 2.66[a]	1.93 ± 0.50[a]	0
	Cucurbita moschata	1.12 ± 0.29	0	0	10.12 ± 2.61[a]	25.47 ± 6.58[a]	0
	Lagenaria siceraria	0	0	0	6.32 ± 2.00[a]	0	0
Olembé	*Cucurbita moschata*	0	14.10 ± 5.78	0	0	0	0
Koutaba	*Citrullus lanatus* var. egusi	0	0	0	1.70 ± 0.57[a]	0	0
	Cucumis sativus	0	0	0	11.83 ± 3.94[b]	0.83 ± 0.28[a]	0
	Cucurbita moschata	0	0	4.44 ± 1.48	2.74 ± 0.91[a]	2.05 ± 0.68[a]	0.33 ± 0.11[a]

Legend: for each parasitoid species within a locality, values of parasitism rate between host-plants with different letters differ significantly at $P < 0.05$.