



Fig. 4. Scatter diagram of the first canonical axes derived from canonical correlation analyses of the morphology and geographical location of samples of workers of *Plectroctena mandibularis* (□) and *P. conjugata* (■).

the male genitalia could be found (Robertson, unpubl.). *Plectroctena conjugata* Santschi, 1914 is consequently relegated to synonymy of *P. mandibularis* F. Smith, 1858. The synonymy of *P. mandibularis* is therefore as follows.

Table 4. Results of canonical correlation analysis of morphology and sample location for males of *Plectroctena mandibularis* and *P. conjugata*.

	CV1	CV2
Eigenvalue	0.5801	0.1260
Canonical correlation	0.7617	0.3550
Wilk's lambda	0.3669	0.8740
Chi-square	33.586	4.513
d.f.	16	7
P	0.0062	0.7191
Coefficients		
Abdomen colour	0.93981	0.19334
Log ₁₀ (head length)	-0.30739	0.20642
Log ₁₀ (head width)	0.17712	-1.15098
Log ₁₀ (mandible length)	0.07094	0.07119
Log ₁₀ (eye length)	-0.13843	-0.18159
Log ₁₀ (mandible width)	0.15749	0.01367
Log ₁₀ (clypeus width)	-0.18025	0.20776
Log ₁₀ (mesonotum length)	-0.20999	-0.03976
Latitude	1.03211	0.46879
Longitude	0.07253	1.13126

Plectroctena mandibularis Smith

Plectroctena mandibularis F. Smith, 1858: 101, pl. 7, figs. 1-5. Syntype queen (ergatoid) and male, SOUTH AFRICA: Natal, Durban, Gueinzus (BMNH).

Ponera caffra Spinola, 1851: 53 (attributed to Klug). (*Nomen nudum*; material referred to *mandibularis* by Roger 1861: 41).

Plectroctena caffra st. *major* Forel, 1894: 74. Holotype queen (not worker as stated), MOZAMBIQUE: Delagoa, P. Berthoud (NHM). (Synonymy by Emery 1899: 469.)

Plectroctena minor st. *conjugata* Santschi, 1914: 8. Syntype workers and queen (ergatoid), SOUTH AFRICA: Natal, Stamford Hill, Charlestown, 30.iv.1905, and Zululand, I. Trägårdh (MCZ, MRAC, NMB). (Raised to species by Santschi 1924: 166; maintained as species by Bolton 1974: 326). Syn. n.

Plectroctena mandibularis var. *integra* Santschi, 1924: 161. Syntype worker, KENYA: Nairobi, Wa Kikongo et Masai, 1904, Ch. Alluaud; and syntype male, KENYA: Bura, Wa Taita, 1904, Ch. Alluaud (NMB). (Synonymy by Bolton 1974: 330.)

Plectroctena mandibularis st. *strigosa* var. *strialiventris* Stitz, in Santschi 1924: 162. (Unavailable name; material referred to *mandibularis* by Bolton 1974: 330).