

Electronic Supplement 1. Material examined, collection numbers, localities and coordinates of each locality. Sample size is provided for each species (n). Colour code of localities is as in Fig 1. All the material examined is deposited in the LABUN biological collection, however, the specimens indicated with ‡ correspond to those collected years before in the repository mentioned above.

Collection number	Locality	Altitude (m a.s.l.)	Coordinates	
			N	W
Species				
<i>Bombus funebris</i> (n=13)				
28110	Choachí -Matarredonda	3400	4.560	-74.001
28111				
28112				
28113	La Laja NR	3200	4.950	-75.233
28114				
28115				
28122	Chingaza NNP	3780	4.590	-73.707
28347	Los Nevados NNP	3300	4.740	-75.434
28363				
28364				
28365				
28366				
28367				
<i>Bombus hortulanus</i> (n=14)				
18095‡	Floridablanca	1700	7.064	-73.051
18096‡				
28138	Simijaca	2200	5.495	-73.831
28140				
28141				
28142				
28126	Chingaza NNP	3200	4.590	-73.707
26473‡	Envigado	2459	6.144	-75.561
26474‡				
26476‡				
28343	Los Nevados NNP	3300	4.740	-75.434
28192	Tatamá NNP	3579	5.125	-76.069
28193				
27932	El Duende NRP	3100	4.155	-76.459
<i>Bombus pauloensis</i> (n=12)				
28139 BV5	Simijaca	2200	5.495	-73.831
MON1	Mondoñedo	2540	4.681	-74.246
29343‡	Bogotá	2600	4.730	-74.15
29346‡				
29350‡				
32298‡	Boyacá	2500	5.350	-73.46
41476‡				
32470‡	Huila	2046	2.520	-75.32
32491‡				
28191	Tatamá NNP	3579	5.125	-76.07

Collection number	Locality	Altitude (m a.s.l.)	Coordinates	
			N	W
28194				
28195				
<i>Bombus robustus</i> (n=50)				
27929	Chingaza NNP	3200	4.590	-73.707
27930				
28121				
28143				
28144				
28147				
28148				
28149				
28150				
28151				
28152				
28116	Choachí -Matarredonda	3400	4.560	-74.001
28117				
28123	La Laja NR	3200	4.950	-75.233
28124				
28125				
28154				
28156				
28159				
28161				
28162				
28153	Salto Tequendama	2260	4.580	-74.296
28337	Los Nevados NNP	3300	4.740	-75.434
28338				
28344				
28348				
28349				
28351				
28353				
28354				
28355				
28356				
28357				
28360				
28361				
28362				
28171	Tatamá NNP	3579	5.125	-76.069
28174				
28175				
28176				
28177				
28178				
28179				
28182				
28186				
28187				
28188				
28189				

Collection number	Locality	Altitude (m a.s.l.)	Coordinates	
			N	W
28369				
27931	El Duende NRP	3100	4.155	-76.459
<i>Bombus rubicundus</i> (n=22)				
28127	Chingaza NNP	3200	4.590	-73.707
28118	Choachí -Matarredonda	3400	4.560	-74.001
28120				
28128	La Laja NR	3200	4.950	-75.233
28129				
28130				
28339	Los Nevados NNP	3300	4.740	-75.434
28340				
28342				
28165	Tatamá NNP	3579	5.125	-76.069
28166				
28167				
28168				
28169				
28170				
28172				
28173				
28174				
28183				
28184				
28185				
28368				