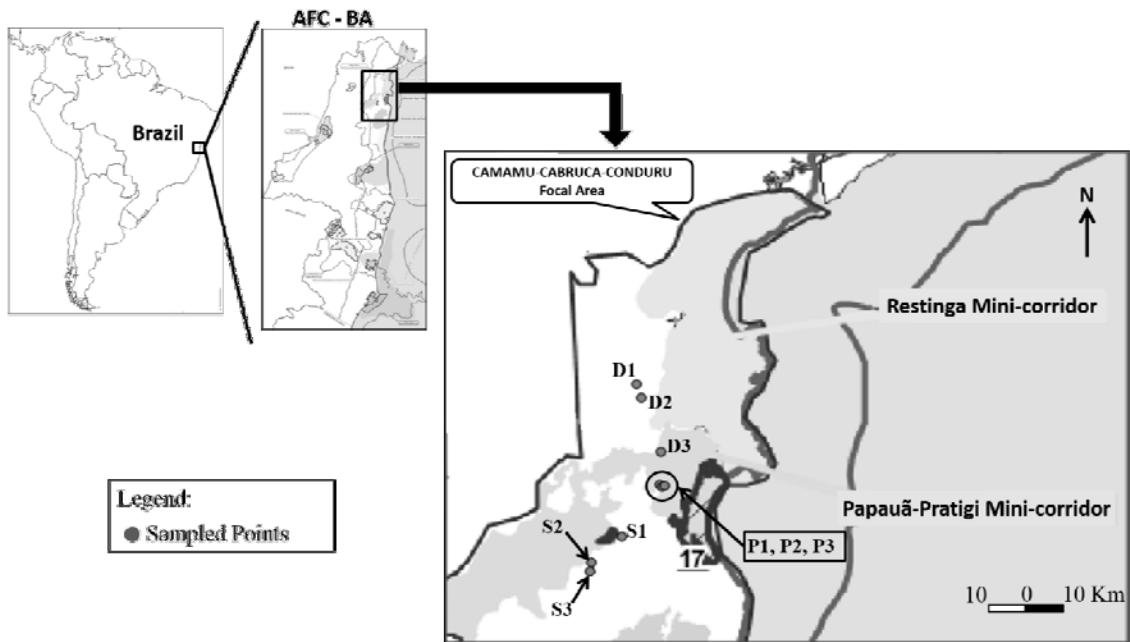


**Permeability of matrices of agricultural crops to Euglossina bees (Hymenoptera, Apidae) in the Atlantic Rain Forest**

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**Online Resource 1.** The forest fragments and arboreal matrices (D1-3, P1-3, S1-3) sampled in the Atlantic Forest Corridor Bahia (AFC - BA). For point's acronyms and coordinates see Online Resource 2. Adapted from: SEMA, Environment Secretary (2008) Corredor Central da Mata Atlântica: CCMA - BAHIA.

[online][http://www.corredoresecologicos.ba.gov.br/images/stories/mapas/80dpi/pdf/ccma\\_mini\\_corredores\\_2008.pdf](http://www.corredoresecologicos.ba.gov.br/images/stories/mapas/80dpi/pdf/ccma_mini_corredores_2008.pdf) (accessed on 05 Jan 14).

**Online Resource 2.** Data on mosaic types of Atlantic rainforest and arboreal matrices in the AFC and sampling period of Euglossine. PA = Point Abbreviation.

<b>PA</b>	<b>Surrounding Matrix</b>	<b>Geographic Coordinates</b>	<b>Area (ha)</b>	<b>Sampling Period</b>
D1	Oil Palm	S 13°29'01.5" W 039°08'42.6"	650*	1) 09 and 10/Feb/2010
D2	Oil Palm	S 13°30'38.7" W 039°08'14.1"	108*	2) 04 and 05/June/2010
D3	Oil Palm	S 13°37'03.7" W 039°06'05.5"	**	3) 07 and 09/Jan/2011
P1	Piassava palm	S 13°40'52" W 039°06'10.6"	309*	1) 09 and 10/Jan/2011
P2	Piassava palm	S 13°41'11.88" W 039°05'57.12"		2) 03 and 04/Feb/2011
P3	Piassava palm	S 13°40'59.5" W 039°05'39.7"		3) 11 and 12/Mar/2011
S1	Rubber tree	S13°47'01.3" W039°10'23.9"	625***	1) 03 and 04/Aug/2009
S2	Rubber tree	S13°50'05.3" W039°13'36.4"	140***	2) 04 and 05/Feb/2010
S3	Rubber tree	S13°51'04.0" W039°13'46.7"	4.349*	3) 12 and 13/Nov/2010

\* Estimated from maps in SHAPE format made available by the SOS Fundação Mata Atlântica,

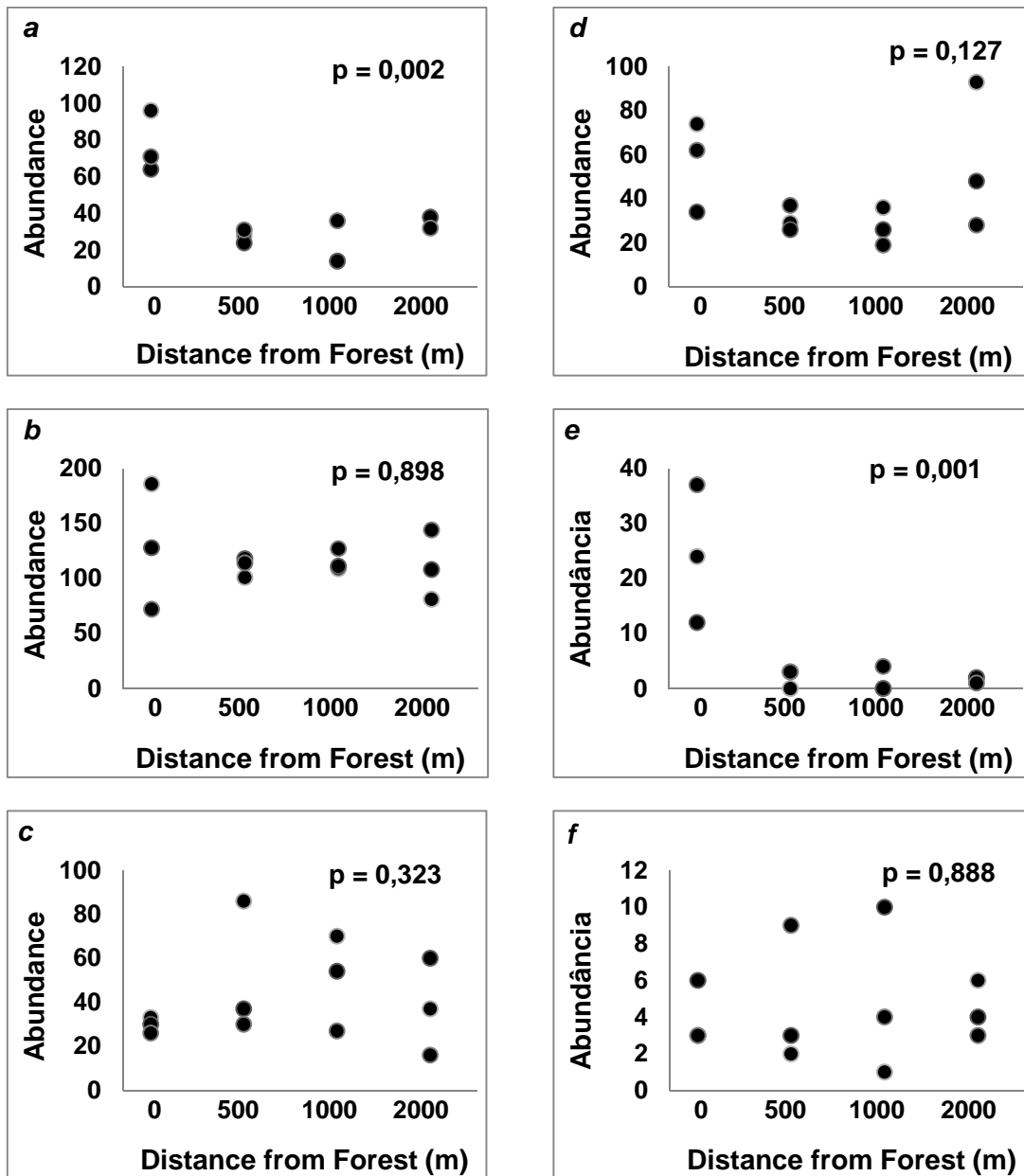
on: <http://mapas.sosma.org.br/>, accessed in September 14, 2013.

\*\* It was not possible to estimate.

\*\*\*From Ramalho et al. (2013)

**Online Resource 3.** Absolute abundance (number of individuals) of the species of Euglossine sampled per mosaic. MRM = Mosaic of forest fragments and rubber tree matrix; MPM = Mosaic of forest fragments and piassava palm matrix; MOM = Mosaic of forest fragments and oil palm matrix.

<b>Species</b>	<b>MRM</b>	<b>MPM</b>	<b>MOM</b>	<b>T</b>
<i>Euglossa aratingae</i> Nemésio, 2009			1	1
<i>Euglossa carinilabris</i> Dressler, 1982		1	2	3
<i>Euglossa carolina</i> Nemésio, 2009	125	107	274	506
<i>Euglossa clausi</i> Nemésio e Engel, 2012	22	2	2	26
<i>Euglossa crassipunctata</i> Moure, 1968	2	2	1	4
<i>Euglossa despecta</i> Moure, 1968	2	1	3	6
<i>Euglossa hemichlora</i> Cockerell, 1917	1	1	5	7
<i>Euglossa ignita</i> Smith, 1874	269	97	146	512
<i>Euglossa imperialis</i> Cockerell, 1922	77	6	5	88
<i>Euglossa iopoecila</i> Dressler, 1982	7			7
<i>Euglossa leucotricha</i> Rebêlo e Moure, 1996	1			1
<i>Euglossa liopoda</i> Dressler, 1982	6	7	5	18
<i>Euglossa melanotricha</i> Moure, 1967	7	1	1	9
<i>Euglossa nanomelanotricha</i> Nemésio, 2009				1
<i>Euglossa securigera</i> Dressler, 1982	14	5	35	54
<i>Euglossa truncata</i> Rebêlo e Moure, 1996	1	1		2
<i>Eulaema athleticana</i> Nemésio, 2009	247	138	101	486
<i>Eulaema nigrita</i> Lepeletier, 1841	480	589	330	1399
<i>Eulaema niveofasciata</i> Friese, 1899		1	2	3
<i>Exaerete frontalis</i> Guérin, 1844	4	7	1	12
<i>Exaerete smaragdina</i> Guérin, 1844	2			2
<b>Total</b>	1267	967	913	3147



**Online Resource 4.** Spatial distribution of abundance (sum of sampled individuals in the three mosaics) of the most abundant species of Euglossine bees, in mosaics of Atlantic Forest and arboreal crops (rubber tree, oil palm and piassava palm) in the Brazilian Atlantic Forest Corridor. **a** *Eulaema athleticana*; **b** *Eulaema nigrita*; **c** *Euglossa carolina*; **d** *Euglossa ignita*; **e** *Euglossa imperialis*; **f** *Euglossa securigera*.