

SUPPORTING INFORMATION

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Variability within the 10-year pollen rain of a seasonal Neotropical forest and its implications for paleoenvironmental and phenological research

Table S1. Relative pollen influx of all named pollen taxa recorded in the 10-year pollen rain. Pollen taxa are ordered alphabetically with total relative influx of each pollen taxon from 1996-2005.

Pollen Taxa	Family	Relative % Total Pollen Influx
<i>Acalypha</i>	Euphorbiaceae	1.49
<i>Alchornea costaricensis</i>	Euphorbiaceae	2.31
<i>Alchornea latifolia</i>	Euphorbiaceae	0.03
cf. <i>Alchornea</i>	Euphorbiaceae	1.81
<i>Alnus</i>	Betulaceae	0.01
<i>Alseis</i>	Rubiaceae	1.47
<i>Anacardium</i>	Anacardiaceae	1.22
<i>Anthurium</i> sp.1	Araceae	0.73
<i>Anthurium</i> sp.2	Araceae	0.01
cf. <i>Apeiba</i> sp.	Tiliaceae	0.04
Arecaceae	Arecaceae	7.50
<i>Arrabidaea</i>	Bignoniaceae	0.31
Asteraceae sp.1	Asteraceae	0.14
Asteraceae sp.2	Asteraceae	0.23
<i>Astronium</i>	Anacardiaceae	0.30
<i>Bombacopsis</i>	Malvaceae	0.16
<i>Bursera</i>	Burseraceae	0.14
cf. <i>Bursera</i>	Burseraceae	0.22
<i>Byrsonima</i>	Malpighiaceae	0.81
<i>Casearia</i>	Salicaceae	0.08
<i>Cavanillesia</i>	Malvaceae	0.05
<i>Cecropia</i>	Urticaceae	11.9
<i>Cedrela</i>	Meliaceae	0.01
<i>Ceiba</i>	Malvaceae	0.13
<i>Celtis</i>	Cannabaceae	0.35
aff. <i>Cespedezia</i>	Ochnaceae	0.03
<i>Chamaesyce</i> sp.1	Euphorbiaceae	0.20

<i>Chamaesyce</i> sp.2	Euphorbiaceae	0.86
<i>Chamaesyce</i> sp.3	Euphorbiaceae	0.45
<i>Chamissoa</i>	Amaranthaceae	0.01
<i>Chenopodium</i>	Amaranthaceae	0.02
<i>Cissus</i>	Vitaceae	0.35
<i>Citrus grandis</i>	Rutaceae	0.26
<i>Citrus</i> sp.1	Rutaceae	0.12
<i>Combretum</i> -type	Combretaceae	0.28
<i>Combretum</i> sp.2	Combretaceae	.001
<i>Cordia</i>	Boraginaceae	1.61
Coussarea	Rubiaceae	0.08
<i>Croton</i>	Euphorbiaceae	0.03
<i>Cryosophila</i>	Arecaceae	0.15
<i>Cydista</i>	Bignoniaceae	0.29
<i>Dalechampia</i>	Euphorbiaceae	0.01
<i>Dendropanax</i>	Araliaceae	0.36
<i>Schefflera</i>	Araliaceae	2.55
<i>Erythrina costaricensis</i>	Fabaceae - Papilionoideae	0.03
<i>Eugenia coloradoensis</i>	Myrtaceae	2.13
<i>Eugenia</i> sp.	Myrtaceae	0.10
unknown Euphorbiaceae sp.1	Euphorbiaceae	0.20
unknown Euphorbiaceae sp.2	Euphorbiaceae	0.07
<i>Faramea occidentalis</i>	Rubiaceae	2.15
<i>Faramea</i> sp.2	Rubiaceae	0.01
<i>Faramea</i> sp.3	Rubiaceae	0.01
<i>Ficus</i>	Moraceae	0.24
<i>Genipa</i>	Rubiaceae	1.97
<i>Guapira</i>	Nyctaginaceae	0.67
cf. <i>Gustavia superba</i>	Lecythidaceae	3.10
<i>Hedyosmum</i> sp.	Chloranthaceae	0.08
<i>Hippocratea</i>	Hippocrataceae	0.05
<i>Hyeronima</i>	Euphorbiaceae	1.44
cf. <i>Hyptis</i>	Lamiaceae	0.03
<i>Ilex</i> sp.	Aquifoliaceae	0.02
cf. <i>Inga</i>	Fabaceae - Mimosoideae	0.05
<i>Jacaranda</i>	Bignoniaceae	0.01
<i>Lacmellea panamensis</i>	Apocynaceae	0.05
cf. <i>Laetia procera</i>	Salicaceae	0.08
<i>Machaerium</i>	Fabaceae - Papilionoideae	2.95
<i>Hiraea</i> -type	Malpighiaceae	0.65
<i>Mansoa</i>	Bignoniaceae	.003
<i>Maripa panamensis</i>	Convolvulaceae	4.17
cf. <i>Melochia</i>	Sterculiaceae	0.01

<i>Melothria</i>	Cucurbitaceae	0.05
<i>Mendoncia gracilis</i>	Acanthaceae	0.01
Melastomataceae	Melastomataceae	3.86
Mimosoideae sp.2	Fabaceae - Mimosoideae	.001
Moraceae/Urticaceae	Moraceae/Urticaceae	17.6
<i>Myrcia</i>	Myrtaceae	0.04
<i>Oryctanthus</i>	Loranthaceae	.005
<i>Paullinia</i>	Sapindaceae	0.23
<i>Pinus/Podocarpus</i>	---	0.04
<i>Piper</i>	Piperaceae	0.19
Poaceae	Poaceae	1.03
<i>Posoqueria</i>	Rubiaceae	0.08
<i>Pouteria</i>	Sapotaceae	0.04
<i>Protium</i>	Burseraceae	0.98
<i>Pseudobombax</i>	Malvaceae	1.03
<i>Psychotria</i> sp.1	Rubiaceae	0.21
<i>Psychotria</i> sp. 2	Rubiaceae	0.03
<i>Quararibea asterolepis</i>	Malvaceae	.003
<i>Quassia</i>	Simaroubaceae	0.22
<i>Roupala montana</i>	Proteaceae	0.03
cf. <i>Rubiaceae</i> spp.	Rubiaceae	0.65
cf. <i>Rutaceae</i> spp.	Rutaceae	.004
<i>Sabicea</i>	Rubiaceae	1.86
<i>Sapium</i>	Euphorbiaceae	0.13
<i>Serjania</i>	Sapindaceae	0.05
<i>Simarouba</i>	Simaroubaceae	0.05
aff. <i>Sida</i>	Malvaceae	.003
<i>Socratea</i>	Arecaceae	0.15
<i>Solanum</i>	Solanaceae	0.32
<i>Spondias</i>	Anacardiaceae	0.88
<i>Spondias</i> sp.2	Anacardiaceae	0.10
<i>Tabebuia</i>	Bignoniaceae	0.07
<i>Tocoyena pittieri</i>	Rubiaceae	.004
<i>Trema</i>	Cannabaceae	1.22
<i>Trichilia</i>	Meliaceae	1.43
<i>Uncaria tomentosa</i>	Rubiaceae	1.06
<i>Virola</i>	Myristicaceae	1.50
cf. <i>Vismia</i>	Hypericaceae	0.13
<i>Vochisia</i>	Vochysiaceae	0.09
cf. <i>Warscewiczia/Ixora</i>	Rubiaceae	1.57
<i>Zanthoxylum</i> sp.1	Rutaceae	1.24
<i>Zanthoxylum</i> sp.2	Rutaceae	1.63