

**Supplement:** Assignment of identified pollen taxa to vegetation groups.

<b>Vegetation group</b>	<b>Pollen taxa</b>	<b>Family</b>
<i>Tropical forest</i>	Adenium	Apocynaceae
	Alchornea	Euphorbiaceae
	Blighia-type	Sapindaceae
	Bosqueia	Moraceae
	Celastraceae/Hippocrateaceae	Celastraceae
	Celtis	Ulmaceae
	Cissus	Vitaceae
	Coffea-type	Rubiaceae
	Cola cordifolia	Sterculiaceae
	Cola nitida-type	Sterculiaceae
	Crossopteryx	Rubiaceae
	Cuviera	Rubiaceae
	Daniellia-type	Leguminosae-Caesalpinaceae
	Duparquetia orchidacea	Leguminosae-Caesalpinaceae
	Elaeis guineensis	Arecaceae/Palmae
	Entada-type	Leguminosae-Mimosaceae
	Funtumia-type	Apocynaceae
	Gaertnera	Rubiaceae
	Holoptelea grandis	Ulmaceae
	Iodes	Icacinaceae
	Ixora-type	Rubiaceae
	Khaya-type	Meliaceae
	Klaineanthus	Euphorbiaceae
	Leea	Leeaceae
	Lophira	Ochnaceae
	Mallotus-type	Euphorbiaceae
	Manilkara	Meliaceae
	Martretia	Euphorbiaceae
	Melochia	Sterculiaceae
	Mezoneuron-type	Leguminosae-Caesalpinaceae
	Moraceae	Moraceae
Morinda	Rubiaceae	

	Mussaenda Pentaclethra Phyllanthus Psydrax-type parviflora Pycnanthus angolensis-type Sabicea Sauvagesia Schefflera Sherbournia Sorindeia-type Stereospermum Sysygium Tamarindus/Cryptosepalum Tapinanthus-type Tessmannia Tetrorchidium Urticaceae	Rubiaceae Leguminosae-Mimosaceae Euphorbiaceae Rubiaceae Myristicaceae Rubiaceae Ochnaceae Araliaceae Rubiaceae Anacardiaceae Bignoniaceae Myrtaceae Leguminosae-Caesalpiaceae Loranthaceae Leguminosae-Caesalpiaceae Euphorbiaceae Urticaceae
<i>Mountain</i>	Chionanthus-type Chrysophyllum Erica Geranium Ilex cf. I. mitis Myrica Myrsine africana Ocimum Olea Olea capensis Restionaceae Anthospermum	Oleaceae Sapotaceae Ericaceae Geraniaceae Aquifoliaceae Myricaceae Myrsinaceae Lamiaceae Oleaceae Oleaceae Restionaceae Rubiaceae
<i>Miombo woodland</i>	Afzelia Afzelia tetrade Berlinia-type Brachystegia Paramacrolobium Pericopsis Uapaca	Leguminosae-Caesalpiaceae Leguminosae-Caesalpiaceae Leguminosae-Caesalpiaceae Leguminosae-Caesalpiaceae Leguminosae-Caesalpiaceae Leguminosae-Papilionoideae Euphorbiaceae

<i>Dry forest/ Savannah</i>	Acalypha	Euphorbiaceae
	Adansonia	Bombacaceae
	Allophylus	Sapindaceae
	Annonaceae	Annonaceae
	Antidesma	Euphorbiaceae
	Tarchonanthus/Artemisia afra	Asteraceae
	Balanites	Balanitaceae
	Baphia-type	Leguminosae-Papilionoideae
	Bauhinia-type	Leguminosae-Caesalpiniaceae
	Blepharis-type	Acanthaceae
	Bombax	Bombacaceae
	Boscia-type	Capparaceae
	Bridelia	Euphorbiaceae
	Burkea	Leguminosae-Caesalpiniaceae
	Butyrospermum	Sapotaceae
	Canthium	Rubiaceae
	Capparis	Capparaceae
	Cardiospermum	Sapindaceae
	Cassia-type	Leguminosae-Caesalpiniaceae
	Ceiba pentandra	Bombacaceae
	Clematis-type	Ranunculaceae
	Cnestis-type	Conneraceae
	Coccinia	Cucurbitaceae
	Cocos nucifera	Arecaceae/Palmae
	Colophospermum mopane	Leguminosae-Caesalpiniaceae
	Croton-type	Euphorbiaceae
	Cussonia	Araliaceae
	Dalbergia	Leguminosae-Papilionoideae
	Detarium	Leguminosae-Caesalpiniaceae
	Dialium-type	Leguminosae-Caesalpiniaceae
	Dombeya	Sterculiaceae
Erythrina	Leguminosae-Papilionoideae	
Flacourtia	Flacourtiaceae	
Garcinia	Clusiaceae/Guttiferae	
Grewia	Tiliaceae	

	Hugonia	Linaceae
	Hymenocardia	Euphorbiaceae
	Hypoestes-type	Acanthaceae
	Jasminum/Schrebera	Oleaceae
	Kohautia	Rubiaceae
	Lansea-type	Anacardiaceae
	Luffa	Cucurbitaceae
	Maesa lanceolata-type	Myrsinaceae
	Maytenus-type	Celastraceae
	Mimosa pigra	Leguminosae-Mimosaceae
	Nyctaginaceae undiff.	Nyctaginaceae
	Olax	Olacaceae
	Ormocarpum	Leguminosae-Papilionoideae
	Papilionoideae	Leguminosae-Papilionoideae
	Piliostigma	Leguminosae-Caesalpiniaceae
	Protea	Proteaceae
	Pseudocedrela	Meliaceae
	Psyrax-type subcordata	Rubiaceae
	Pterocarpus-type	Leguminosae-Papilionoideae
	Rubiaceae monade	Rubiaceae
	Rytigynia-type	Rubiaceae
	Sclerocarya-type birrea	Anacardiaceae
	Sesbania-type	Leguminosae-Papilionoideae
	Securinega	Euphorbiaceae
	Spathodea	Bignoniaceae
	Spermacoce-type	Rubiaceae
	Sterculia-type	Sterculiaceae
	Stipularia africana	Rubiaceae
	Strychnos	Loganiaceae
	Tarenna	Rubiaceae
	Teclea	Rutaceae
	Triapsis	Malphigiaceae
	Buxus-type madagascaria	Euphorbiaceae
	Zanthoxylum	Rutaceae
<i>Semidesert</i>	Gazania-type	Asteraceae

Gomphrena-type	Amaranthaceae
Heliotropium	Boraginaceae
Hermannia	Sterculiaceae
Hermannia stricta-type	Sterculiaceae
Indigofera-type	Leguminosae-Papilionoideae
Ipomoea-type	Convolvulaceae
Justicia/Monechma	Acanthaceae
Kalanchoe	Crassulaceae
Maerua-type	Capparaceae
Malvaceae	Malvaceae
Merremia	Convolvulaceae
Neurada-type	Neuradaceae/Rosaceae
Nitraria	Zygophyllaceae
Parkinsonia	Leguminosae-Papilionoideae
Pelargonium	Geraniaceae
Pentzia-type	Asteraceae
Petalidium	Acanthaceae
Phoenix	Arecaceae/Palmae
Phyla nodiflora	Verbenaceae
Plantago	Plantaginaceae
Rhynchosia-type	Leguminosae-Papilionoideae
Salvadora persica	Salvadoraceae
Solanum	Solanaceae
Stoebe-type	Asteraceae
Tephrosia	Leguminosae-Papilionoideae
Thymelaeaceae	Thymelaeaceae
Tribulus	Tribulaceae/Zygophyllaceae
Walafrida	Scrophulariaceae
Welwitschia	Welwitschiaceae
Zygophyllum	Zygophyllaceae