**Supplementary Table 1:** Information of study species; family, forest strata, habit with height origin, seed collected month and location.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Species | Family | Strata | Habit (hight/m) | Origin | Month of Collection | Collected site |
| *Hydnocarpus octandra* | Achariaceae  | Sub canopy | Tree (20) | Endemic | Apr | KAN |
| *Mangifera zeylanica* | Anarcardiaceae | Canopy | Tree (30) | Endemic | May | DOM |
| *Semecarpus walkeri* | Anarcardiaceae | Sub canopy | Tree (20) | Endemic | May | KOT |
| *Canarium zeylanicum* | Burseraceae | Canopy | Tree (30) | Endemic | May | DOM |
| *Mesua ferrea* | Calophyllaceae | Canopy | Tree (30) | Native | Jun | SIN |
| *Mesua stylosa* | Calophyllaceae | Understorey | Tree (5) | Endemic | Sep | PER |
| *Mesua thwaitesii* | Calophyllaceae | Understorey | Tree (15) | Endemic | Sep | SIN |
| *Bhesa ceylanica* | Centroplacaceae  | Sub canopy | Tree (25) | Endemic | Oct | PIT |
| *Bhesa nitidissima* | Centroplacaceae  | Sub canopy | Tree (25) | Endemic | Apr | YAG |
| *Garcinia terpnophylla* | Clusiaceae | Canopy | Tree (30) | Endemic | May | YAG |
| *Dichapetalum gelonioides* | Dichapetalaceae | Understorey | Tree (5) | Native | Nov | DOM |
| *Dillenia indica* | Dilleniaceae | Understorey | Tree (5) | Native | Oct | KAN |
| *Dipterocarpus zeylanicus* | Dipterocarpaceae | Canopy | Tree (40) | Endemic | Feb | SIN |
| *Shorea affinis* | Dipterocarpaceae | Canopy | Tree (30) | Endemic | Jun | SIN |
| *Shorea trapezifolia* | Dipterocarpaceae | Canopy | Tree (40) | Endemic | Jun | SIN |
| *Diospyros acuminata* | Ebenaceae | Understorey | Tree (5) | Endemic | Mar | YAG |
| *Elaeocarpus subvillosus* | Elaeocarpaceae | Understorey | Tree (15) | Endemic | Mar | SIN |
| *Pericopsis mooniana* | Fabaceae | Canopy | Tree (30) | Native | Nov | YAG |
| *Humboldtia laurifolia* | Fabaceae  | Understorey | Tree (5) | Endemic | May | SIN |
| *Fagraea ceilanica* | Gentinaceae | Understorey | Tree (4) | Native | Mar | SIN |
| *Strychnos benthamii* | Loganiaceae | Understorey | Tree (3) | Endemic | Jun | KAN |
| *Hortonia angustifolia* | Monimiaceae | Understorey | Tree (5) | Endemic | Mar | PIT |
| *Artocarpus nobilis* | Moraceae | Sub canopy | Tree (25) | Endemic | May | DOM |
| *Horsfieldia iryaghedhi* | Myristicaceae | Sub canopy | Tree (20) | Endemic | May | DOM |
| *Myristica dactyloides* | Myristicaceae | Sub canopy | Tree (20) | Native | Jun | YAG |
| *Syzygium lanceolatum* | Myrtaceae | Understorey | Tree (15) | Endemic | May | SIN |
| *Syzygium nervosum* | Myrtaceae | Sub canopy | Tree (25) | Endemic | Jun | SIN |
| *Gomphia serrata* | Ochnaceae | Understorey | Tree (15) | Endemic | Aug | GIL |
| *Eurya ceylanica* | Pentaphylaceae | Understorey | Tree (5) | Endemic | Mar | SIN |
| *Bridelia moonii* | Phyllanthaceae  | Understorey | Tree (15) | Endemic | Oct | PIT |
| *Glochidion nemorale* | Phyllanthaceae  | Understorey | Tree (4) | Endemic | May | SIN |
| *Glochidion zeylanicum* | Phyllanthaceae  | Understorey | Tree (4) | Native | Mar | YAG |
| *Margaritaria cyanospermus* | Phyllanthaceae  | Understorey | Tree (12) | Endemic | Jun | SIN |
| *Gaertnera vaginans* | Rubiaceae | Understorey | Tree (2) | Native | Mar | YAG |
| *Timonius flavescens* | Rubiaceae | Understorey | Tree (3) | Native | May | KAN |
| *Urophyllum ceylanicum* | Rubiaceae | Understorey | Tree (3) | Endemic | Mar | SIN |
| *Isonandra lanceolata* | Sapotaceae | Sub canopy | Tree (16) | Native | May | DOM |
| *Madhuca longifolia* | Sapotaceae | Sub canopy | Tree (25) | Native | Jun | SIN |
| *Palaquium thwaitesii* | Sapotaceae | Understorey | Tree (10) | Endemic | May | KAN |
| *Turpinia malabarica* | Staphyleaceae | Understorey | Tree (4) | Native | Jun | SIN |
| *Stemonurus apicalis* | Stemonuraceae | Sub canopy | Tree (20) | Endemic | Jun | KAN |
| Unknown *sp.* | - | Sub canopy | Tree (20) |   | Aug | PIT |

 SIN, Sinharaja forest reserve; PIT, Pituwala forest reserve; KOT, Kottawa forest reserve; PER, Peradeniya; GIL,
Gilimale; DOM- Dombagaskanda forest reserve; KAN, Kanneliya forest reserve; YAG,Yagirala forest reserve.