**Supporting Information**

**Paper 9, Volume 58(2), 2017**: Impacts of selective logging on diversity, species composition and biomass of residual lowland dipterocarp forest in central Western Ghats, India

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**Table S1.** List of all tree species (with their family and arranged according to their axis 1 ordination scores) in the six 1 ha permanent plots at central Western Ghats. (Species marked with \* are secondary/deciduous species; others are primary species).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Family | | | | LP1 | | LP2 | | LP3 | | LP4 | UP1 | UP2 | Total | |
| *Terminalia bellirica* (Gaertn.) Roxb.\* | Combretaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Ehretia canarensis* (Clarke) Gamble | Boraginaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Grewia tiliifolia* Vahl.\* | Tiliaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Dillenia pentagyna* Roxb.\* | Dilleniaceae | | | | 6 | | - | | - | | - | - | - | 6 | |
| *Carallia brachiata* (Lour.) Merrill\* | Rhizophoraceae | | | | 5 | | - | | - | | - | - | - | 5 | |
| *Dalbergia sissoides* Wight & Arn\* | Fabaceae | | | | 3 | | - | | - | | - | - | - | 3 | |
| *Vitex altissima* L.f.\* | Verbenaceae | | | | 8 | | 1 | | - | | - | - | - | 9 | |
| *Aporosa lindleyana* (Wight) Baill\* | Euphorbiaceae | | | | 75 | | - | | - | | - | - | - | 75 | |
| *Terminalia paniculata* Roth\* | Combretaceae | | | | 29 | | 1 | | - | | - | - | - | 30 | |
| *Schleichera oleosa* (Lour.) Oken\* | Sapindaceae | | | | 3 | | - | | - | | - | - | - | 3 | |
| *Madhuca neriifolia* (Moon) H.J. Lam. | Sapotaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Naringi crenulata* (Roxb.) Nicols. | Rutaceae | | | | 2 | | - | | - | | - | - | - | 2 | |
| *Elaeocarpus serratus* L. | Elaeocarpaceae | | | | 4 | | - | | - | | - | - | - | 4 | |
| *Syzygium cumini* (L.) Skeels | Myrtaceae | | | | 2 | | - | | - | | - | - | - | 2 | |
| *Strychnos nux-vomica* L*.*\* | Loganiaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Chukrasia tabularis* A. Juss\* | Meliaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Homalium zeylanicum* (Gardner) Benth. | Flacourtiaceae | | | | 1 | | - | | - | | - | - | - | 1 | |
| *Nothopegia racemosa* (Dalz.) Ramam. | Anacardiaceae | | | | - | | 2 | | - | | - | - | - | 2 | |
| *Ixora brachiata* Roxb. ex DC | Rubiaceae | | | | 43 | | 1 | | - | | 1 | - | - | 45 | |
| *Olea dioica* Roxb.\* | Oleaceae | | | | 5 | | 1 | | - | | - | - | - | 6 | |
| *Tabernaemontana heyneana* Wall.\* | Apocyanaceae | | | | 8 | | - | | 1 | | - | - | - | 9 | |
| *Hopea parviflora* Bedd. | Dipterocarpaceae | | | | 88 | | 5 | | 3 | | - | - | - | 96 | |
| *Orophea uniflora* Hook.f. & Thomson | Annonaceae | | | | 3 | | - | | 1 | | - | - | - | 4 | |
| *Syzygium hemisphericum* (Wight) Alston | Myrtaceae | | | | 8 | | 1 | | 3 | | - | - | - | 12 | |
| *Flacourtia montana* Graham | Flacourtiaceae | | | | 1 | | - | | 1 | | - | - | - | 2 | |
| *Cinnamomum malabatrum* (Burm. F) Blume | Lauraceae | | | | 21 | | 7 | | 5 | | - | 1 | - | 34 | |
| *Chionanthus mala-elangi* (Dennst.) P.S. Green\* | Oleaceae | | | | 1 | | 1 | | - | | - | - | - | 2 | |
| *Symplocos cochinchinensis* (Lour.) S.Moore ssp. *laurina* (Retz.) Noot. | Symplocaceae | | | | 2 | | 4 | | - | | - | - | - | 6 | |
| *Toona ciliata* Roem\* | Meliaceae | | | | 1 | | - | | - | | 1 | - | - | 2 | |
| *Litsea coriacea* (Heyne ex Meisner) Hook.f. | Lauraceae | | | | 3 | | 3 | | - | | 1 | - | - | 7 | |
| *Casearia ovata* (Lamk.) Willd. | Flacourtiaceae | | | | 8 | | 2 | | 7 | | - | 1 | 2 | 20 | |
| *Dimocarpus longan* Lour. | Sapindaceae | | | | 15 | | 8 | | 2 | | 2 | 1 | 3 | 31 | |
| *Holigarna arnottiana* Hook.f. | Anacardiaceae | | | | 2 | | - | | 2 | | - | - | 1 | 5 | |
| *Polyalthia fragrans* (Dalz.) Bedd.  *Alstonia scholaris* (L.) R.Br.\* | Annonaceae  Apocyanaceae | | | | 1  - | | 1  1 | | -  - | | -  - | 1  - | -  - | 3  1 | |
| *Artocarpus hirsutus* Lam. | Moraceae | | | | 7 | | 12 | | 4 | | 2 | 1 | 1 | 27 | |
| *Mangifera indica* L. | Anacardiaceae | | | | 6 | | 2 | | 5 | | 3 | 2 | 1 | 19 | |
| *Myristica malabarica* Lam. | Myristicaceae | | | | 10 | | 14 | | 6 | | 8 | 2 | 1 | 41 | |
| *Holigarna nigra* Bourd. | Anacardiaceae | | | | 15 | | 2 | | 5 | | 6 | 6 | 4 | 38 | |
| *Syzygium gardneri* Thwaites | Myrtaceae | | | | 43 | | 12 | | 14 | | 13 | 8 | 8 | 98 | |
| *Calophyllum polyanthum* Wall. ex Choisy | Clusiaceae | | | | 4 | | 1 | | 2 | | 1 | 2 | 2 | 12 | |
| *Diospyros sylvatica* Roxb. | Ebenaceae | | | | 23 | | 7 | | 18 | | 7 | 8 | 7 | 70 | |
| *Diospyros buxifolia* (Blume) Heirn. | Ebenaceae | | | | 2 | | - | | 6 | | - | - | 1 | 9 | |
| *Pterygota alata* (Roxb.) R. Brown\* | Sterculiaceae | | | | 1 | | 11 | | 1 | | - | - | - | 13 | |
| *Pterospermum rubiginosum* Heyne ex Wight & Arn. | Sterculiaceae | | | | - | | 5 | | - | | - | - | - | 5 | |
| *Aglaia lawii* (Wight) Sald. | Meliaceae | | | | - | | - | | - | | - | - | 1 | 1 | |
| *Hydnocarpus pentandra* (Buch. Ham.) Oken | Flacourtiaceae | | | | 2 | | 6 | | 2 | | 4 | - | - | 14 | |
| *Glochidion ellipticum* Wight | Euphorbiaceae | | | | - | | 8 | | 1 | | - | - | - | 9 | |
| *Hopea ponga* (Dennst.) Mabberly | Dipterocarpaceae | | | | 34 | | 6 | | 3 | | 10 | 10 | 4 | 67 | |
| *Garcinia gummi-gutta* (L.) Robs. | Clusiaceae | | | | 2 | | 1 | | 6 | | 4 | - | - | 13 | |
| *Mallotus philppensis* (Lam.) Muell.-Arg.\* | Euphorbiaceae | | | | - | | 3 | | - | | - | - | - | 3 | |
| *Diospyros assimillis* Bedd. | Ebenaceae | | | | - | | 1 | | - | | - | - | - | 1 | |
| *Turpinia malabarica* Gamble | Staphyleaceae | | | | - | | 1 | | - | | - | - | - | 1 | |
| *Holigarna grahamii* (Wight.) Kurz. | Anacardiaceae | | | | - | | 1 | | 1 | | - | - | - | 2 | |
| *Archidendron monadelphum* (Roxb.) Nielson\* | Mimosaceae | | | | 2 | | 65 | | 37 | | 7 | - | - | 111 | |
| *Otonephelium stipulaceum* (Bedd.) Radlk. | Sapindaceae | | | | - | | 7 | | 5 | | - | - | - | 12 | |
| *Dysoxylum malabaricum* Bedd. ex Hiern | Meliaceae | | | | - | | 5 | | 2 | | - | - | - | 7 | |
| *Cryptocarya wightiana* Thwaites | Lauraceae | | | | 5 | | 14 | | 12 | | 10 | 2 | 5 | 48 | |
| *Macaranga peltata* (Roxb.) Mueller\* | Euphorbiaceae | | | | - | | 8 | | 9 | | - | - | - | 17 | |
| *Diospyros pruriens* Dalz. | Ebenaceae | | | | 3 | | - | | - | | - | 4 | 3 | 10 | |
| *Lophopetalum wightianum* Arn. | Celastraceae | | | | 8 | | 21 | | 8 | | 22 | 4 | 2 | 65 | |
| *Actinodaphne angustifolia* (Blume) Nees | Lauraceae | | | | - | | - | | 1 | | - | - | - | 1 | |
| *Drypetes confertiflora* (Hook.f.) Pax & Hoffm. | Euphorbiaceae | | | | - | | 2 | | - | | 1 | - | - | 3 | |
| *Microtropis wallichiana* Wight ex Thwaites | Celastraceae | | | | - | | 1 | | - | | - | - | - | 1 | |
| *Zanthoxylum rhetsa* (Roxb.) DC\* | Rutaceae | | | | - | | 1 | | 1 | | - | - | - | 2 | |
| *Aglaia barberi* Gamble | Meliaceae | | | | - | | 2 | | 1 | | - | - | - | 3 | |
| *Blepharistemma serratum* (Dennst.) Suresh | | Rhizophoraceae | | - | | 1 | | 4 | | - | | - | 1 | | 6 |
| *Knema attenuata* (Hook.f. & Thomson) Warb. | | Myristicaceae | | 23 | | 52 | | 36 | | 56 | | 30 | 31 | | 228 |
| *Kingiodendron pinnatum* (Roxb. ex DC) Harms | | Caesalpiniaceae | | 5 | | 9 | | 5 | | 7 | | 8 | 5 | | 39 |
| *Ormosia travancoria* Bedd.\* | | Fabaceae | | - | | - | | 1 | | - | | - | - | | 1 |
| *Canarium strictum* Roxb. | | Burseraceae | | - | | 1 | | - | | - | | 1 | - | | 2 |
| *Walsura trifolia* (A. Juss.) Harms. | | Meliaceae | | - | | 1 | | - | | 1 | | - | - | | 2 |
| *Garcinia talbotii* Raizada ex Santapau | | Clusiaceae | | 7 | | 25 | | 42 | | 27 | | 12 | 7 | | 120 |
| *Chrysophyllum roxburghii* G. Don. | | Sapotaceae | | - | | 2 | | 4 | | 1 | | 1 | - | | 8 |
| *Croton malabaricus* Bedd.\* | | Euphorbiaceae | | - | | - | | 22 | | - | | - | - | | 22 |
| *Pterospermum diversifolium* Blume\* | | Sterculiaceae | | - | | 4 | | 10 | | 1 | | - | - | | 15 |
| *Baccaurea courtallensis* (Wight) Muell. | | Euphorbiaceae | | - | | 5 | | 2 | | 2 | | - | 4 | | 13 |
| *Actinodaphne tadulingamii* Gamble | | Lauraceae | | - | | 2 | | 3 | | - | | 1 | 1 | | 7 |
| *Beilschmiedia wightii* (Nees.) Benth. ex Hook.f. | | Lauraceae | | 3 | | 1 | | 2 | | 1 | | 7 | 8 | | 22 |
| *Persea macrantha* (Nees) Kosterm. | | Lauraceae | | - | | 1 | | - | | 1 | | 2 | - | | 4 |
| *Semecarpus auriculata* Bedd. | | Anacardiaceae | | - | | - | | 15 | | - | | 1 | 2 | | 18 |
| *Cyathocalyx zeylanicus* Champ. ex Hook.f. & Thomson | | Annonaceae | | - | | - | | 2 | | - | | - | 1 | | 3 |
| *Cinnamomum* sp. | | Lauraceae | | 1 | | - | | - | | - | | 2 | 3 | | 6 |
| *Isonandra lanceolata* Wight | | Sapotaceae | | - | | 1 | | 7 | | 9 | | 1 | 1 | | 19 |
| *Dipterocarpus indicus* Bedd. | | Dipterocarpaceae | | 2 | | 34 | | 14 | | 29 | | 28 | 34 | | 141 |
| *Agrostistachys borneensis* Becc. | | Euphorbiaceae | | - | | - | | - | | 1 | | - | - | | 1 |
| *Callicarpa tomentosa* (L.) Murr.\* | | Verbenaceae | | - | | 1 | | - | | - | | 1 | - | | 2 |
| *Strombosia ceylanica* Gard. | | Olacaceae | | - | | - | | 12 | | - | | 1 | 5 | | 18 |
| *Glycosmis macrocarpa* Wight | | Rutaceae | | - | | 1 | | 4 | | 2 | | 2 | 2 | | 11 |
| *Garcinia morella* (Gaertn.) Desr. | | Clusiaceae | | - | | 5 | | 15 | | 14 | | 8 | 2 | | 44 |
| *Vateria indica* L. | | Dipterocarpaceae | | 2 | | 78 | | 48 | | 75 | | 115 | 140 | | 458 |
| *Antiaris toxicaria* Lesch.\* | | Moraceae | | - | | - | | - | | 1 | | - | - | | 1 |
| *Prunus ceylanica* (Wight) Miq.\* | | Rosaceae | | - | | - | | - | | 1 | | - | - | | 1 |
| *Myristica dactyloides* Gaertn. | | Myristicaceae | | 1 | | 11 | | 69 | | 34 | | 66 | 71 | | 252 |
| *Paracroton pendulus* (Hassk.) Miq. ssp. *zeylanicus* (Thwaites) Balakr. & Chakrab. | | Euphorbiaceae | | - | | - | | 18 | | 17 | | 9 | 3 | | 47 |
| *Mesua ferrea* L. | | Clusiaceae | | - | | 5 | | 24 | | 14 | | 17 | 19 | | 79 |
| *Palaquium ellipticum* (Dalz.) Baill. | | Sapotaceae | | - | | 3 | | 42 | | 37 | | 62 | 40 | | 184 |
| *Artocarpus heterophyllus* Lam. | | Moraceae | | - | | - | | 4 | | 2 | | 2 | - | | 8 |
| *Nothopegia beddomei* Gamble | | Anacardiaceae | | 2 | | 2 | | 3 | | 6 | | 7 | 19 | | 39 |
| *Symplocos racemosa* Roxb. | | Symplocaceae | | - | | 1 | | - | | - | | - | 1 | | 2 |
| *Vepris bilocularis* (Wight & Arn.) Engl.  *Diospyros ghatensis* Ramesh & Franceschi | | Rutaceae | | - | | -  - | | 1  - | | 2  2 | | 1  - | 1  - | | 5  2 |
| Ebenaceae | - | | |
| *Syzygium laetum* (Buch.-Ham.) Gandhi | | Myrtaceae | - | | | 1 | | 1 | | 4 | | 2 | 2 | | 10 |
| *Diospyros bourdillonii* Brand. | | Ebenaceae | - | | | 1 | | - | | 6 | | 2 | - | | 9 |
| *Heritiera papilio* Bedd. | | Sterculiaceae | - | | | - | | - | | 4 | | - | 2 | | 6 |
| *Drypetes elata* (Bedd.) Pax. & Hoffm. | | Euphorbiaceae | - | | | 1 | | 11 | | 18 | | 21 | 22 | | 73 |
| *Euonymus indicus* Heyne ex Roxb.\* | | Celastraceae | - | | | 1 | | - | | 8 | | 4 | - | | 13 |
| *Pajanelia longifolia* (Willd.) K.Schum\* | | Bignoniaceae | - | | | - | | 1 | | - | | 3 | - | | 4 |
| *Reinwardtiodendron anamalaiense* (Bedd.) Mabb. | | Meliaceae | - | | | 2 | | 7 | | 6 | | 19 | 26 | | 60 |
| *Hydnocarpus alpina* Wight | | Flacourtiaceae | - | | | 1 | | - | | 12 | | 12 | 10 | | 35 |
| *Antidesma montanum* Blume\* | | Euphorbiaceae | - | | | - | | - | | - | | 1 | 2 | | 3 |
| *Humboldtia brunonis* Wall. | | Caesalpiniaceae | - | | | - | | 8 | | 126 | | 138 | 120 | | 392 |
| *Memecylon macrocarpum* Thwaites | | Melastomataceae | - | | | - | | 1 | | 1 | | 2 | 1 | | 5 |
| *Gymnacranthera farquhariana* (Hook.f. & Thomson) Warb. | | Myristicaceae | - | | | - | | - | | 29 | | - | - | | 29 |
| *Mastixia arborea* (Wight) Bedd. | | Cornaceae | - | | | - | | - | | 6 | | 8 | 3 | | 17 |
| *Polyalthia coffeoides* (Thwaites) Hook.f. & Thomson | | Annonaceae | - | | | - | | - | | 3 | | 2 | 9 | | 14 |
| *Drypetes oblongifolia* (Bedd.) Airy Shaw | | Euphorbiaceae | - | | | - | | 1 | | - | | - | 1 | | 2 |
| *Holigarna ferruginea* Marchand | | Anacardiaceae | - | | | - | | - | | - | | - | 1 | | 1 |
| *Dimorphocalyx lawianus* Hook.f. | | Euphorbiaceae | - | | | - | | - | | - | | - | 26 | | 26 |
| *Rinorea bengalensis* (Wall.) Kuntze | | Violaceae | - | | | - | | - | | - | | 11 | 3 | | 14 |
| *Harpullia arborea* (Blanco) Radlk. | | Sapindaceae | - | | | - | | - | | - | | 2 | - | | 2 |
| *Aphanamixis polystachya* (Wall.) Parker | | Meliaceae | - | | | - | | - | | - | | - | 1 | | 1 |
| *Caryota urens* L.\* | | Arecaceae | - | | | - | | - | | - | | - | 1 | | 1 |
| *Ficus nervosa* Heyne ex Roth | | Moraceae | - | | | - | | - | | - | | - | 2 | | 2 |
| *Aglaia pervirdis* Hiern | | Meliaceae | 5 | | | 2 | | 22 | | 3 | | - | - | | 32 |
| *Litsea floribunda* (Bl.) Gamble | | Lauraceae | - | | | - | | - | | - | | - | 1 | | 1 |