|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S2. The data matrixes of MP** | | | | | | | | | | | | | | | | | | | | |
| species | habit | cystolith presence | cystolith form | stigma form | phyllotaxis | stipule presence | stipule form | stipule fusion | stipule position | pistillate perianth presence | pistillate perianth lobes fusion | achene symmetry | external morphology of achene | leaf vernation apparentness | leaf vernation – pinnate versus palmate | types of palmate venation | number of stamens | stinging hairs presence | filament | hair apex angle |
| Archiboehmeria\_atrata\_A1 | 0 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Astrothalamus\_reticulatus\_23592 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_saeneb\_De17 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_sp\_De25 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_orientalis\_De15 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_orientalis\_De13 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_squamata\_De5 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_longifolia\_De10 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_longifolia\_De9 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_elliptica\_De19 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Debregeasia\_elliptica\_De7 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_glomerulifera\_B5 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_macrophylla\_var\_macrophylla\_B28 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_macrophylla\_var\_macrophylla\_B24 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_sp\_B46 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_spicata\_B9 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_japonica\_B47 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_tricuspis\_B39 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_longispica\_B20 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_densiflora\_B52 | (0 1) | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_densiflora\_B53 | (0 1) | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_clidemioides\_var\_clidemioides\_B2 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_macrophylla\_var\_rotundifolia\_B21 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_clidemioides\_var\_clidemioides\_B15 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_zollingeriana\_var\_blinii\_B1 | 0 | 1 | 0 | 1 | (0 1) | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_penduliflora\_B33 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_umbrosa\_B40 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_umbrosa\_B12 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_clidemioides\_var\_diffusa\_B16 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_macrophylla\_var\_scabrella\_B26 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Chamabainia\_cuspidata\_C1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Chamabainia\_cuspidata\_C2 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Neraudia\_melastomifolia\_Ne1 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Neraudia\_kauaiensis\_Ne2 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_argenteonitida\_Po5 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Meniscogyne\_sp\_154A | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| Boehmeria\_rugulosa\_B45 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_sanguinea\_var\_sanguinea\_Po6 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_sanguinea\_var\_elegans\_Po2 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Nothocnide\_mollissima\_23585 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pipturus\_kauaiensis\_Pip5 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pipturus\_ruber\_Pip6 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pipturus\_arborescens\_Pip7 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pipturus\_arborescens\_Pip1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gonostegia\_hirta\_Go3 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gonostegia\_pavifolia\_Go1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gonostegia\_pavifolia\_Go4 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_zeylanica\_var\_zeylanica\_Po7 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_sp\_Po9 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_zeylanica\_var\_zeylanica\_Po4 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_guineensis\_282A | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pouzolzia\_mixta\_288A | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Hemistylus\_macrostachya\_23597 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Rousselia\_humulis\_23596 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Neodistemon\_indicum\_279A | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Oreocnide\_frutescens\_subsp\_frutescens\_O8 | 1 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Oreocnide\_frutescens\_subsp\_frutescens\_O2 | 1 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Oreocnide\_frutescens\_subsp\_occidentalis\_O12 | 1 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Soleirolia\_soleirolii\_312A | 0 | 1 | (0 2) | 0 | 0 | 0 | - | - | - | 1 | 1 | 1 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gesnouinia\_arborea\_177A | 1 | 1 | 0 | 1 | 0 | 0 | - | - | - | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Parietaria\_judaica\_11077 | 0 | 1 | 0 | 0 | 0 | 0 | - | - | - | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Parietaria\_micrantha\_Pa1 | 0 | 1 | 0 | 0 | 0 | 0 | - | - | - | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Forsskaolea\_angustifolia\_16132 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | - | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| Forsskaolea\_angustifolia\_6515 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | - | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| Droguetia\_ambigua\_28892 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| Droguetia\_iner\_subsp\_urticoides\_Dr1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| Droguetia\_iner\_subsp\_urticoides\_Dr4 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| Australina\_flaccida\_23601 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 3 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| Didymodoxa\_caffra\_23599 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| Phenax\_mexicanus\_378A | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | - | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Coussapoa\_parvifolia\_386A | 1 | 0 | - | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 4 | 1 | 0 | - | 0 | 1 | 1 | 1 |
| Myrianthus\_preussii\_23604 | 1 | 0 | - | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | ? | 1 | 1 | 3 | 0 | 1 | 1 | 1 |
| Cecropia\_ficifolia\_23606 | 1 | 0 | - | 5 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | 1 | 1 | 3 | 0 | 1 | 1 | 1 |
| Cecropia\_obtusifolia\_162A | 1 | 0 | - | 5 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 1 |
| Leucosyke\_quadrinervia\_Leu3 | 1 | 0 | - | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 0 | 1 | 0 | 1 |
| Leucosyke\_quadrinervia\_Leu4 | 1 | 0 | - | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 0 | 1 | 0 | 1 |
| Maoutia\_setosa\_M2 | 1 | 0 | - | (0 5) | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | (0 3) | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Fatoua\_villosa\_F2 | 0 | 0 | - | 1 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | (3 6) | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Fatoua\_villosa\_F1 | 0 | 0 | - | 1 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | (3 6) | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Humulus\_scandense\_H1 | 0 | 0 | - | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 1 |
| Celtis\_kunmingensis\_Ulm2 | 1 | 0 | - | 1 | 0 | 1 | ? | ? | ? | 1 | ? | ? | ? | 1 | 1 | 0 | 0 | 1 | 1 | 1 |
| Pellionia\_tsoongii\_Pe5 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Pellionia\_macrophylla\_Pe1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Pellionia\_radicans\_Pe3 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Pellionia\_paucidentata\_var\_paucidentata\_Pe2 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Elatostema\_parvum\_var\_parvum\_E7 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | (0 1) | 0 | 1 | 0 | 1 |
| Elatostema\_densistriolatum\_E9 | 0 | 1 | 1 | 0 | 0 | 1 | 5 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Elatostema\_petelotii\_E8 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Elatostema\_cuspidatum\_var\_cuspidatum\_E4 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Elatostema\_crytandrifolium\_var\_crytandrifolium\_E3 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | (0 1) | 0 | 1 | 0 | 1 |
| Elatostema\_tenuicaudatum\_var\_tenuicaudatum\_E12 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | (0 2) | 0 | 1 | 0 | 1 |
| Elatostema\_longibracteatum\_E6 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Elatostema\_stewardii\_E10 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Elatostema\_atropurpureum\_E2 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Elatostema\_albopilosum\_E1 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Elatostema\_subtrichotomum\_var\_subtrichotomum\_E11 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | ? | ? | 0 | 1 | 0 | 1 |
| Elatostema\_sp\_E13 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Pellionia\_repens\_Pe4 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| Procris\_wightiana\_Pr2 | 0 | 1 | 1 | 0 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Procris\_wightiana\_Pr1 | 0 | 1 | 1 | 0 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Gyrotaenia\_crassifolia\_475A | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gyrotaenia\_microcarpa\_473A | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Myriocarpa\_obovata\_370A | 1 | 1 | 2 | 8 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Gyrotaenia\_spicata\_23567 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Myriocarpa\_cordata\_C2A | 1 | 1 | 2 | 8 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Lecanthus\_petelotii\_var\_corniculata\_Le4 | 0 | 1 | 1 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Lecanthus\_peduncularis\_Le1 | 0 | 1 | 1 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Lecanthus\_peduncularis\_Le3 | 0 | 1 | 1 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Lecanthus\_petelotii\_var\_corniculata\_Le2 | 0 | 1 | 1 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_cavaleriei\_subsp\_cavaleriei\_P3 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_pumila\_var\_pumila\_P10 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_melastomoides\_P20 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_angulata\_subsp\_petiplaris\_P1 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_verrucossa\_subsp\_verrucossa\_P29 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_martinii\_P6 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_sp\_P12 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_insolens\_P11 | 0 | 1 | 2 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_oxyodon\_P9 | 0 | 1 | 2 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Sarcopilea\_domingensis\_302A | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | - | - | 0 | 1 | 0 | 1 |
| Pilea\_microphylla\_P21 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_microphylla\_P22 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_plantaniflora\_P24 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_longipedunculata\_P5 | 0 | 1 | 2 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Pilea\_sinofasciata\_P26 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_triloba\_G6 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_triloba\_G19 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_diversifolia\_G9 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | (0 6) | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_diversifolia\_G31 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | (0 6) | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_suborbiculata\_G17 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Girardinia\_diversifolia\_subsp\_suborbiculata\_G16 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Nanocnide\_lobata\_N6 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Nanocnide\_lobata\_N5 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Nanocnide\_japonica\_N1 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Nanocnide\_japonica\_N4 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_sp\_U19 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_triangularis\_subsp\_pinnatifida\_U10 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_hyperborea\_U5 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_hyperborea\_U14 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_atrichocaulis\_U3 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_dioica\_U21 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_angustifolia\_U1 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_sp\_U18 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Hesperocnide\_tenella\_331A | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_ardens\_U2 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 1 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urtica\_fissa\_U4 | 0 | 1 | (0 2) | 0 | 1 | 1 | 4 | 1 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 3 | 0 | 0 | 0 | 1 |
| Urtica\_zayuensis\_U17 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 1 |
| Urtica\_zayuensis\_U11 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 1 |
| Urtica\_mairei\_U7 | 0 | 1 | (0 2) | 0 | 1 | 1 | 4 | 1 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 3 | 0 | 0 | 0 | 1 |
| Discocnide\_mexicana\_167A | 1 | 1 | 0 | (3 4) | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Dendrocnide\_sinuata\_D1 | 1 | 1 | 0 | 4 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Dendrocnide\_meyeniana\_D2 | 1 | 1 | 0 | 4 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Dendrocnide\_urentissima\_D5 | 1 | 1 | 0 | 4 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Dendrocnide\_sp\_W1 | 1 | 1 | 0 | 4 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Laportea\_bulbifera\_L5 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Laportea\_bulbifera\_L3 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Touchardia\_latifolia\_T1 | 1 | 1 | 0 | 9 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | - | 0 | 1 | 0 | 1 |
| Urera\_glabra\_Ur1 | 1 | 1 | (0 2) | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Obetia\_tenax\_28719 | 1 | 1 | 0 | (2 7) | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 6 | 1 | 1 | 3 | 0 | 0 | 0 | 1 |
| Urera\_sp\_L2 | 1 | 1 | (0 2) | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urera\_trinervis\_374A | 1 | 1 | 2 | (2 5) | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urera\_hypselodendron\_377A | 1 | 1 | 2 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Poikilospermum\_suaveolens\_Pi2 | 1 | 1 | (0 2) | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 0 | - | 0 | 1 | 1 | 1 |
| Poikilospermum\_suaveolens\_Pi3 | 1 | 1 | (0 2) | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 0 | - | 0 | 1 | 1 | 1 |
| Poikilospermum\_lanceolatum\_Pi1 | 1 | 1 | (0 2) | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 0 | - | 0 | 1 | 1 | 1 |
| Urera\_baccifera\_C4A | 1 | 1 | (0 2) | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Urera\_alceifolia\_C11A | 1 | 1 | 1 | (2 5) | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urera\_lianoides\_313A | 1 | 1 | (0 2) | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Urera\_caracasana\_23561 | 1 | 1 | (0 2) | (0 2) | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | - | 0 | 0 | 0 | 1 |
| Boehmeria\_nivea\_var\_nipononivea\_B32 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_nivea\_var\_nivea\_B6 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Boehmeria\_tomentosa\_B38 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Sarcochlamys\_pulcherrima\_S1 | 1 | 1 | 0 | 6 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Archiboehmeria\_atrata\_A2 | 0 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |