|  |
| --- |
| **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 |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |