Table S1. GenBank accession number/Plant ID for taxa used in comparative analysis and phylogenetic tree construction in this study.

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| --- | --- |
| Species | GenBank accession number / Plant ID |
| Ipomoea nil | AP017304 |
| Ipomoea purpurea | EU118126 |
| Ipomoea batatas | NC\_026703 |
| Ipomoea amnicola | KF242478 |
| Ipomoea argillicola | KF242479 |
| Ipomoea cairica | KF242480 |
| Ipomoea diamantinensis | KF242481 |
| Ipomoea dumetorum | KF242482 |
| Ipomoea eriocarpa | KF242483 |
| Ipomoea hederifolia | KF242484 |
| Ipomoea murucoides | KF242486 |
| Ipomoea orizabensis | KF242488 |
| Ipomoea pedicellaris | KF242489 |
| Ipomoea pes-caprae | KF242490 |
| Ipomoea polpha | KF242491 |
| Ipomoea setosa | KF242492 |
| Ipomoea ternifolia | KF242494 |
| Ipomoea tricolor | KF242495 |
| Ipomoea minutiflora | KF242498 |
| Ipomoea obscura | KF242499 |
| Ipomoea pes-tigridis | KF242500 |
| Merremia quinquefolia | KF242501 |
| Operculina macrocarpa | KF242502 |
| Ipomoea alba | JRIW\_27755\* |
| Ipomoea biflora | AH 302\* |
| Ipomoea gracilis | ME 2940\* |
| Ipomoea grandifolia | CIP460322\* |
| Ipomoea indica | BH 19551\* |
| Ipomoea malvaeoides | EH 6116\* |
| Ipomoea littoralis | Anon 152892\* |
| Ipomoea ramosissima | JRIW 27942\* |
| Ipomoea sepacuitensis | MP 1020\* |
| Ipomoea tenuissima | AHC 495\* |
| Ipomoea tiliacea | CIP460524\* |

\* indicate the species from Muñoz-Rodríguez et al., (2018, Current Biology)