**Table 1.** Quantitative and categorical traits used in this study.

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| **Traits** | **Numerical range/Categories** |
| **Quantitative** |  |
| Plant height | 0.01-30m |
| Flower width | 0.50-205mm |
| Flower length | 0.20-195mm |
| Inflorescence width | 0.80-300mm |
| Style length | 0-138mm |
| Ovules per flower | 1-25000 |
| Flowers per plant | 1-1.8 x 105 |
| Microliters of nectar | 0-160μl |
| Milligrams of nectar | 0-6.1mg |
| Pollen grains per flower | 13-2 x 108 |
| Autonomous selfing (fruit set) | 0-100% |
| **Categorical** |  |
| Lifespan | Short-lived and perennial |
| Life form | Herb, shrub and tree |
| Flower shape | Brush, campanulate, capitulum, open, papilionaceous and tube |
| Flower symmetry | Actinomorphic and zygomorphic |
| Nectar | Presence and absence |
| Compatibility system | Self-incompatible, partially self-compatible and self-compatible |
| Breeding system | Hermaphrodite, monoecious and dioecious |