**Supplement Table 2. General morphological characteristics of *Amorphophallus paeoniifolius* in India, Indonesia and Thailand populations**.

|  |  |  |
| --- | --- | --- |
| **Main characters** | **Description** | **Distribution in populationa** |
| **Petiole** |  |  |
| * Color | * Light green | India, Indonesia, Thailand |
| * Green | India, Indonesia, Thailand |
| * Green-pinkish | KUN, YOG2 |
| * Green-greyish | YOG1, YOG2 |
| * Dark green | India, Indonesia, Thailand |
| * Blackish green | Indonesia, Thailand |
| * Blackish pinkish | KUN, BALs, LOMBs |
| * Maximum height (cm) | * < 150 cm | India, Indonesia, Thailand |
| * > 200 cm | RAYs, MAEs, KUN, MED |
| * Roughness | * Smooth | India, Indonesia, Thailand |
| * Rough | India, Indonesia, Thailand |
| * Very rough | LOMBs, MED |
| * Spot size on petiole | * Small (diameter <2 cm) | India, Indonesia, Thailand |
| * Large (diameter ≥ 2 cm) | India, Indonesia, Thailand |
| * Additional color at tripartite branch | * Absent | India, Indonesia, Thailand |
| * Present (pink, black) | KUN, YOGs, BAL1, MED |
| * Sap color | * Colorless | India, Indonesia, Thailand |
| * Pinkish | KUN, YOGs, BAL1, MED, RAYs |
| **Leaf blade** |  |  |
| * Leaflets size | * Small (width < 5 cm) | India, Indonesia, Thailand |
| * Large (width ≥ 5 cm) | India, Indonesia, Thailand |
| * Shiny leaflets | * Absent | India, Indonesia, Thailand |
| * Present | India, Indonesia |
| **Corm**b |  |  |
| * Cormels production | * Absent | India, Indonesia, Thailand |
| * Abundant | Indonesia, Thailand |
| * Corm shape | * Globose | India, Indonesia |
| * Depressed globose | India, Indonesia, Thailand |
| * Flesh color | * White | India, Indonesia, Thailand |
| * Light yellow | India, Indonesia, Thailand |
| * Light pink | India, Indonesia, Thailand |
| * Pink | KUN, MED, MAEs |
| * Corm acridityc | * Non acrid | India, Indonesia, Thailand |
| * Acrid | India, Indonesia, Thailand |
| * Very acrid | BALs, LOMBs, MED |

a Particular characters belong to general population, otherwise mentioned, b obtained from 3-5 corms at late stage before dormant, c checked qualitatively by back-hand touching: very acrid remains itchy for more than 1 hours.