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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S3.** Morphological traits of reproductive parts of 12 accessions of *M. charantia* | | | | | | | | | |
| **Genotype** | **Petal colour** | **Pedicel length (cm)** | **Ovary length (cm)** | **Fruit**  **length (cm)** | **Fruit diameter at the centre (cm)** | **Fruit colour at the marketable stage** | **Fruit shape** | **No. of tubercles/cm2** | **Type of ridge** |
| **MC 1** | pale yellow | 3.50±0.35 | 2.90±0.18 | 10.36±1.18 | 14.40±1.16 | light green | acute | 3.33±2.50 | discontinuous |
| **MC 2** | bright yellow | 6.26±0.35 | 2.50±0.13 | 8.00 ±0.71 | 10.24±0.50 | green | obtuse | 7.56±2.59 | discontinuous |
| **MC 3** | pale yellow | 4.90±0.66 | 3.10±0.37 | 10.90±0.36 | 10.50±1.05 | deep green | obtuse | 6.82±5.42 | continuous |
| **MC 4** | pale yellow | 7.00±0.34 | 4.10±0.26 | 17.00±1.8 | 15.10±0.8 | light green | acute | 5.43±2.18 | discontinuous |
| **MC 5** | pale yellow | 6.64±0.55 | 1.50±0.19 | 5.90±0.35 | 5.60±0.58 | green | acute | 13.80±1.45 | discontinuous |
| **MC 6** | bright yellow | 3.90±0.37 | 2.10±0.23 | 6.34±0.38 | 6.40±0.42 | deep green | obtuse | 6.67±4.43 | continuous |
| **MC 7** | pale yellow | 8.30±1.69 | 3.50±0.31 | 12.49±1.10 | 6.37±0.80 | deep green | acute | 12.98±8.37 | Continuous and  discontinuous |
| **MC 8** | bright yellow | 9.13±1.16 | 3.20±0.42 | 10.50±0.9 | 13.50±0.71 | deep green | obtuse | 9.22±4.51 | discontinuous |
| **MC 9** | pale yellow | 10.20±0.50 | 3.91±0.39 | 15.00±0.75 | 14.40±0.5 | green | acute | 6.11±3.98 | discontinuous |
| **MC 10** | bright yellow | 9.12±0.89 | 3.43±0.33 | 11.40±1.01 | 14.70±0.4 | deep green | oblong | 9.88±3.66 | discontinuous |
| **MC 11** | pale yellow | 9.34±0.37 | 3.32±0.31 | 11.4±1.02 | 15.90±1.3 | green | obtuse | 9.92±1.43 | Continuous and discontinuous |
| **MC 12** | bright yellow | 9.28±0.47 | 3.37±0.39 | 11.15±2.10 | 12.81±0.56 | whitish green | oblong | 8.10±4.97 | discontinuous |