

Supplementary Table 1 Morphological characterization of *Dendrobium* species as per DUS test guidelines

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<i>Dendrobium lituiflorum</i> (D1)	7	3	5	1	7	3	3	5	1	5	7	1	1	1
<i>Dendrobium aphyllum</i> (D2)	9	1	5	1	7	3	3	5	1	5	7	1	1	1
<i>Dendrobium primulinum</i> (D3)	3	3	5	1	5	3	3	7	1	5	7	1	1	1
<i>Dendrobium fimbriatum</i> (D4)	7	3	5	1	5	7	3	5	9	1	7	1	1	3
<i>Dendrobium nobile</i> (D5)	5	3	5	1	7	5	3	5	7	3	7	1	1	1
<i>Dendrobium chrysotoxum</i> (D6)	1	7	1	1	5	5	3	5	7	1	7	1	1	3
<i>Dendrobium densiflorum</i> (D7)	5	5	3	1	5	5	7	7	1	1	7	1	1	5
<i>Dendrobium nobile</i> var. <i>alba</i> (D8)	3	3	3	1	5	5	3	5	7	3	7	1	1	1
<i>Dendrobium macraei</i> (D9)	3	7	3	1	3	3	1	5	3	1	5	1	1	1
<i>Dendrobium jenkinsii</i> (D10)	1	7	1	1	3	1	1	3	1	1	5	1	1	1
<i>Dendrobium wardianum</i> (D11)	3	3	3	1	5	5	3	5	7	1	7	1	1	1
<i>Dendrobium thyrstiflorum</i> (D12)	5	5	3	1	5	7	5	5	1	3	7	1	1	5
<i>Dendrobium devonianum</i> (D13)	3	1	3	1	7	3	3	5	1	1	7	1	1	1
<i>Dendrobium chrysanthum</i> (D14)	3	3	5	1	5	5	1	5	9	1	7	1	1	1
<i>Dendrobium eriiiflorum</i> (D15)	1	7	1	1	5	5	1	5	7	1	7	1	1	1
	Very small (<20 cm) - 1 Small (20-40 cm) - 3 Medium (41- 60 cm) - 5 Large (61-80 cm)- 7 Very large (>80cm) - 9	Cane (woody)- 1 Cane (cylindric fleshy)-3 Cane (clavate fleshy)- 5 Bulbous (round)- 7	Few (<5) - 1 Medium (5-10) - 3 Many (>10) - 5	Small (<2.0 cm) - 1 Medium (2.0-4.0 cm)- 3 Large (>4.0 cm)- 5	Few (<3) - 3 Medium (3-6)- 5 Many (>6)- 7	Very short (<5.0 cm)- 1 Short (5.0-10.0 cm)- 3 Medium (10.1-15 cm)-5 Long (>15.0 cm) - 7	Narrow (<2.0 cm) - 1 Medium (2.0-4.0 cm) - 3 Broad (4.1-6.0cm) - 5 Very broad (>6.0 cm)- 7	Linear- 1 Elliptic- 3 Lanceolate- 5 Ovate- 7	Acute- 1 Obtuse- 3 Bilobed- 5 Retuse- 7 Acuminate- 9	Few (<3)- 1 Medium (3-5)- 3 Many (> 5)- 5	Erect-1 Horizontal-3 Arching- 5 Pendulous-7	Short (<20 cm)- 1 Medium (20-40 cm)- 3 Long (41-60 cm)- 5 Very long (>60 cm)- 7	Short (<10 cm)- 1 Medium (10-20 cm)- 3 Long (>20 cm)- 5	Few (<7)- 1 Medium (7-10)- 3 Many (>10)- 5

Note: 1. Plant height*, 2. Nature of shoot*, 3. Internode number*, 4. Internode diameter, 5. Number of leaves, 6. Leaf length, 7. Leaf width, 8. Leaf shape, 9. Leaf apex, 10. Inflorescence: number per plant*, 11. Inflorescence orientation, 12. Inflorescence length*, 13. Peduncle length 14. Flower number per inflorescence*.

*Indicates the traits useful for grouping of *Dendrobium* species.

Contd.

Species	15	16	17	18	19	20	21	22	23	24	25	26
<i>Dendrobium lituiflorum</i> (D1)	3	3	9	1	3	1	3	1	1	3	2	5
<i>Dendrobium aphyllum</i> (D2)	1	3	9	3	3	1	1	5	9	1	2	5
<i>Dendrobium primulinum</i> (D3)	3	3	9	1	3	1	3	5	3	5	6	5
<i>Dendrobium fimbriatum</i> (D4)	3	3	9	1	3	3	5	5	9	1	4	5
<i>Dendrobium nobile</i> (D5)	3	5	9	3	3	3	3	5	3	1	6	5
<i>Dendrobium chrysotoxum</i> (D6)	3	3	9	1	1	1	3	5	3	5	4	1
<i>Dendrobium densiflorum</i> (D7)	3	1	9	1	1	3	5	5	5	5	4	5
<i>Dendrobium nobile</i> var. <i>alba</i> (D8)	3	5	9	3	5	3	3	5	3	1	2	5
<i>Dendrobium macraei</i> (D9)	1	1	9	1	1	1	5	1	5	5	2	1
<i>Dendrobium jenkinsii</i> (D10)	1	1	9	1	1	1	5	1	5	5	4	5
<i>Dendrobium wardianum</i> (D11)	3	5	9	1	5	3	5	5	5	5	2	5
<i>Dendrobium thysiflorum</i> (D12)	1	1	9	1	3	3	3	5	9	1	4	1
<i>Dendrobium devonianum</i> (D13)	5	5	9	1	3	3	5	1	9	3	2	5
<i>Dendrobium chrysanthum</i> (D14)	1	3	9	1	1	3	5	5	9	5	4	1
<i>Dendrobium eriiflorum</i> (D15)	1	1	9	1	1	1	5	5	9	1	2	1
	Short (<3.0 cm)- 1 Medium (3.0-6.0 cm)- 3 Long (>6.0 cm)- 5	Narrow (<3.0 cm)- 1 Medium (3.0-6.0 cm)- 3 Broad (>6.0 cm)- 5	Absent- 1 Present- 9	Short (<15 days)- 1 Medium (15-30 days)-3 Long (>30 days)- 5	Short (<2.0 cm)- 1 Medium (2.0-4.0 cm)-3 Long (>4.0 cm)- 5	Narrow (<1.0 cm)- 1 Medium (1.0-2 cm)-3 Broad (>2.0 cm)- 5	Linear-1 Oblong- 3 Elliptic-5 Obovate- 7 Orbicular- 9	Acute- 1 Acuminate- 3 Obtuse- 5 Retuse- 7	Linear- 1 Oblong- 3 Elliptic- 5 Obovate- 7 Triangular- 9	Acute- 1 Acuminate- 3 Obtuse- 5	Green- 1 White- 2 Pink- 3 Yellow- 4 Red- 5 Purple- 6 Blue- 7 Violet- 8	Uniform- 1 Mixed- 2 Spotted 3 Blotched- 4 Shaded /Striped- 5 Netted- 6

Note: 15. Flower Length, 16. Flower width in front view*, 17. Flower fragrance, 18. Flower longevity on the plant, 19. Dorsal sepal length, 20. Dorsal sepal width, 21. Dorsal sepal shape, 22. Dorsal sepal apex, 23. Lateral sepal shape, 24. Lateral sepal apex, 25. Sepal dominant colour, 26. Sepal colour pattern inside.

*Indicates the traits useful for grouping of *Dendrobium* species.

Contd.

Species	27	28	29	30	31	32	33	34	35	36	37	38	39
<i>Dendrobium lituiflorum</i> (D1)	3	1	9	3	5	2	3	9	3	3	1	3	5
<i>Dendrobium aphyllum</i> (D2)	3	1	5	1	5	2	3	7	3	3	5	5	3
<i>Dendrobium primulinum</i> (D3)	3	1	3	3	5	6	3	7	3	3	5	5	5
<i>Dendrobium fimbriatum</i> (D4)	3	1	7	1	5	4	1	7	3	3	5	7	1
<i>Dendrobium nobile</i> (D5)	5	3	9	3	1	2	5	7	3	3	1	1	5
<i>Dendrobium chrysotoxum</i> (D6)	1	1	9	1	5	4	1	1	1	1	5	7	5
<i>Dendrobium densiflorum</i> (D7)	1	1	5	1	5	4	1	7	3	3	5	7	3
<i>Dendrobium nobile</i> var. <i>alba</i> (D8)	5	3	9	3	1	2	1	7	3	3	1	1	5
<i>Dendrobium macraei</i> (D9)	1	1	1	1	3	2	3	1	1	1	3	5	7
<i>Dendrobium jenkinsii</i> (D10)	1	1	5	3	1	4	1	7	3	1	5	5	7
<i>Dendrobium wardianum</i> (D11)	5	3	9	3	5	2	3	7	3	3	5	1	3
<i>Dendrobium thyrsoiflorum</i> (D12)	3	1	7	3	5	4	1	7	3	3	5	7	5
<i>Dendrobium devonianum</i> (D13)	3	1	9	3	1	2	3	7	3	3	5	1	5
<i>Dendrobium chrysanthum</i> (D14)	1	1	9	3		4	1	1	3	1	5	7	3
<i>Dendrobium eriiflorum</i> (D15)	1	1	9	1	5	2	1	1	1	1	3	1	7
	Short (<2.0 cm)- 1 Medium (2.0-4.0 cm)- 3 Long (> 4.0 cm)- 5	Narrow (<2.0 cm)- 1 Medium (2.0-3.0 cm)- 3 Broad- 5	Linear- 1 Oblong- 3 Elliptic- 5 Obovate- 7 Ovate- 9	Straight-1 Deflexed- 3 Spiral- 5	Acute-1 Acuminate-3 Obtuse- 5 Retuse- 7	Green- 1 White- 2 Pink- 3 Yellow- 4 Red- 5 Purple- 6 Blue- 7 Violet- 8	Single- 1 Double- 3 Triple or more- 5	Uniform- 1 Mixed- 3 Spotted- 5 Striped/ shaded- 7 Netted- 9	Short (< 2 cm)- 1 Medium (2-4 cm)- 3 Long (>4 cm)- 5	Narrow (<2 cm)- 1 Medium (2-4 cm)- 3 Broad (> 4 cm)- 5	Ovate- 1 Oblanceolate- 3 Orbicular- 5 Obovate- 7	Acute- 1 Obtuse- 3 Retuse- 5 Praemorse- 7 Acuminate- 9	Straight- 1 Reflexed with straight apex- 3 Reflexed with curved apex- 5 Incurred with straight apex- 7 Incurred with straight apex- 7

Note: 27. Petal length, 28. Petal width, 29. Petal shape, 30. Petal curvature, 31. Petal apex, 32. Petal predominant colour, 33. Petal colour (No.) inside, 34. Petal colour Pattern, 35. Lip length, 36. Lip width*, 37. Lip shape, 38. Lip apex, 39. Lip curvature.

*Indicates the traits useful for grouping of *Dendrobium* species.

Contd.

Species	40	41	42	43	44	45	46	47	48	49	50	51	52
<i>Dendrobium lituiflorum</i> (D1)	9	6	3	7	3	9	1	1	1	1	5	1	3
<i>Dendrobium aphyllum</i> (D2)	9	4	3	7	3	9	9	1	1	1	3	1	3
<i>Dendrobium primulinum</i> (D3)	9	2	3	7	1	9	9	1	1	1	3	1	3
<i>Dendrobium fimbriatum</i> (D4)	9	4	3	7	5	9	9	1	1	1	3	1	3
<i>Dendrobium nobile</i> (D5)	9	8	5	7	1	9	9	1	1	1	5	1	3
<i>Dendrobium chrysotoxum</i> (D6)	9	4	1	7	3	9	1	1	1	1	3	1	3
<i>Dendrobium densiflorum</i> (D7)	9	4	1	1	3	9	1	1	1	1	3	1	3
<i>Dendrobium nobile</i> var. <i>alba</i> (D8)	9	6	3	7	1	9	9	1	1	1	5	1	3
<i>Dendrobium macraei</i> (D9)	9	2	3	5	3	9	1	1	1	1	1	1	3
<i>Dendrobium jenkinsii</i> (D10)	9	4	1	7	3	9	1	1	1	1	3	1	3
<i>Dendrobium wardianum</i> (D11)	9	4	5	3	3	9	9	1	1	1	1	1	3
<i>Dendrobium thyrsiflorum</i> (D12)	9	4	1	1	3	9	9	1	1	1	3	1	3
<i>Dendrobium devonianum</i> (D13)	9	4	5	7	5	9	9	1	3	3	1	1	3
<i>Dendrobium chrysanthum</i> (D14)	9	4	3	7	5	9	9	1	1	1	3	1	3
<i>Dendrobium eriiflorum</i> (D15)	9	2	1	1	1	9	1	1	1	1	1	1	5
	Absent-1 Present- 9	Green- 1 White- 2 Pink- 3 Yellow- 4 Red- 5 Purple- 6 Blue- 7 Violet- 8	Single- 1 Double- 3 Triple or more- 5	Uniform-1 Mixed- 3 Spotted- 5 Striped/ shaded- 7 Netted- 9	Entire- 1 Undulate-3 Fimbriate- 5	Absent- 1 Present- 9	Glabrous- 1 Pubescent- 9	Narrow (<0.5 cm)-1 Medium (0.5- 1.0 cm)- 3 Broad(>1.0 cm)- 5	Single- 1 Double- 3 Triple or more- 5	Uniform- 1 Spotted- 3 Blotch- 5 Streaked/stripped/shaded- 7	White- 1 Yellow- 3 Purple- 5	Short (< 1.5 cm)- 1 Medium (1.5- 2.0 cm)- 3 Long (>2.0 cm)- 5	Winter- 1 Spring- 3 Summer- 5 Rainy- 7 Year round- 9

Note: 40. Lip lobation*, 41. Lip predominant colour*, 42. Lip colour (Nos.), 43. Lip colour pattern*, 44. Lip margin, 45. Lip callus, 46. Lip surface texture, 47. Column width across stigma, 48. Column colour (Nos.), 49. Column colour pattern, 50. Anther cap colour, 51. Spur / Mentum length, 52. Flowering season*.

*Indicates the traits useful for grouping of *Dendrobium* species.

Supplementary Table 2. Quantitative traits of fifteen *Dendrobium* species

Name of the species	Plant height (cm)	Internode number	Internode diameter (cm)	Number of leaves	Leaf length (cm)	Leaf width (cm)	Inflorescence number per plant	Inflorescence length (cm)	Peduncle length (cm)	Flower number per inflorescence
<i>D. lituiflorum</i> (D1)	69.20 ± 7.20	18.00 ± 2.65	0.73 ± 0.04	6.67 ± 1.15	9.77 ± 1.16	2.17 ± 0.12	8.67 ± 2.08	0.90 ± 0.06	1.97 ± 0.06	2.33 ± 0.58
<i>D. aphyllum</i> (D2)	93.87 ± 5.12	31.00 ± 2.00	0.48 ± 0.00	13.67 ± 1.53	9.53 ± 0.67	3.33 ± 0.29	25.67 ± 2.52	0.40 ± 0.10	3.00 ± 0.10	2.00 ± 0.00
<i>D. primulinum</i> (D3)	31.33 ± 3.82	13.33 ± 2.52	0.85 ± 0.06	3.67 ± 1.15	8.10 ± 0.56	2.47 ± 0.12	7.33 ± 1.53	0.90 ± 0.06	2.47 ± 0.06	1.00 ± 0.00
<i>D. fimbriatum</i> (D4)	77.13 ± 1.85	28.67 ± 3.06	0.69 ± 0.03	5.00 ± 1.00	15.30 ± 0.70	2.77 ± 0.31	1.33 ± 0.58	10.10 ± 1.03	2.53 ± 0.51	9.67 ± 1.15
<i>D. nobile</i> (D5)	54.67 ± 7.37	13.00 ± 2.00	1.18 ± 0.06	9.00 ± 1.00	12.70 ± 0.66	3.23 ± 0.59	4.33 ± 0.58	3.60 ± 0.15	1.80 ± 0.17	3.00 ± 0.00
<i>D. chrysotoxum</i> (D6)	15.90 ± 0.95	3.33 ± 0.58	1.36 ± 0.13	4.67 ± 0.58	13.27 ± 1.10	2.73 ± 0.25	1.33 ± 0.58	16.30 ± 0.20	5.50 ± 0.20	8.00 ± 1.00
<i>D. densiflorum</i> (D7)	41.27 ± 1.78	6.00 ± 1.00	1.10 ± 0.04	5.00 ± 0.00	14.47 ± 0.96	6.33 ± 0.25	1.67 ± 0.58	17.70 ± 0.12	2.57 ± 0.06	29.67 ± 0.58
<i>D. nobile</i> var. <i>alba</i> (D8)	35.93 ± 1.30	8.67 ± 1.15	1.22 ± 0.01	4.00 ± 1.00	11.13 ± 0.95	3.03 ± 0.06	3.33 ± 0.58	3.90 ± 0.06	1.07 ± 0.15	3.67 ± 0.58
<i>D. macraei</i> (D9)	20.17 ± 2.08	5.33 ± 0.58	1.10 ± 0.16	1.00 ± 0.00	8.97 ± 0.25	1.60 ± 0.10	1.00 ± 0.00	0.70 ± 0.06	0.53 ± 0.06	1.00 ± 0.00
<i>D. jenkinsii</i> (D10)	6.40 ± 0.20	2.00 ± 0.00	1.16 ± 0.06	1.67 ± 0.58	3.40 ± 0.26	1.57 ± 0.15	2.67 ± 0.58	0.50 ± 0.12	0.33 ± 0.06	2.33 ± 0.58
<i>D. wardianum</i> (D11)	23.40 ± 1.20	6.00 ± 1.00	0.85 ± 0.06	5.33 ± 0.58	12.50 ± 0.70	2.83 ± 0.06	2.33 ± 1.53	1.10 ± 0.06	0.63 ± 0.06	2.67 ± 0.58
<i>D. thyrsoiflorum</i> (D12)	43.33 ± 2.02	7.33 ± 0.58	1.06 ± 0.09	4.33 ± 0.58	16.00 ± 0.50	4.63 ± 0.40	3.67 ± 0.58	17.40 ± 0.60	4.93 ± 0.06	32.67 ± 0.58
<i>D. devonianum</i> (D13)	28.73 ± 1.37	5.67 ± 0.58	0.42 ± 0.02	6.33 ± 0.58	9.57 ± 0.60	2.40 ± 0.20	1.67 ± 1.15	0.70 ± 0.12	0.37 ± 0.12	3.00 ± 0.00
<i>D. chrysanthum</i> (D14)	36.57 ± 2.00	12.67 ± 1.53	0.64 ± 0.05	5.00 ± 1.00	10.90 ± 1.04	1.67 ± 0.21	2.33 ± 1.15	0.90 ± 0.00	0.40 ± 0.00	3.33 ± 0.58
<i>D. eriiflorum</i> (D15)	15.10 ± 0.89	2.67 ± 0.58	1.31 ± 0.15	5.33 ± 1.53	11.30 ± 0.56	1.93 ± 0.15	2.00 ± 0.00	8.70 ± 0.30	1.17 ± 0.06	5.67 ± 0.58

Mean value ± standard deviation

Contd..

Name of the species	Flower length (cm)	Flower width in front view (cm)	Doral sepal length (cm)	Dorsal sepal width (cm)	Petal length (cm)	Petal width (cm)	Lip length (cm)	Lip width (cm)	Column width across stigma (cm)	Spur length/mentum length (cm)	Flower longevity on plant (days)
<i>D. lituiflorum</i> (D1)	4.53 ± 0.06	4.97 ± 0.06	3.07 ± 0.12	0.77 ± 0.06	3.03 ± 0.15	1.57 ± 0.21	2.97 ± 0.21	2.13 ± 0.06	0.26 ± 0.01	0.87 ± 0.06	14.33 ± 0.58
<i>D. aphyllum</i> (D2)	2.00 ± 0.10	3.97 ± 0.06	2.10 ± 0.10	0.63 ± 0.06	2.23 ± 0.06	1.23 ± 0.12	2.30 ± 0.10	2.37 ± 0.06	0.26 ± 0.01	0.67 ± 0.06	20.67 ± 0.58
<i>D. primulinum</i> (D3)	3.13 ± 0.15	5.03 ± 0.25	2.40 ± 0.20	0.97 ± 0.06	2.57 ± 0.15	0.87 ± 0.06	2.63 ± 0.25	2.67 ± 0.06	0.31 ± 0.01	1.40 ± 0.17	6.33 ± 1.15
<i>D. fimbriatum</i> (D4)	4.03 ± 0.42	4.13 ± 0.12	2.20 ± 0.26	1.17 ± 0.06	2.33 ± 0.21	1.67 ± 0.12	2.40 ± 0.17	2.23 ± 0.15	0.33 ± 0.00	0.67 ± 0.06	9.33 ± 0.58
<i>D. nobile</i> (D5)	4.97 ± 0.06	6.73 ± 0.45	3.93 ± 0.21	1.53 ± 0.12	4.03 ± 0.15	2.53 ± 0.46	3.43 ± 0.12	3.43 ± 0.12	0.33 ± 0.01	0.93 ± 0.06	17.33 ± 0.58
<i>D. chrysotoxum</i> (D6)	3.37 ± 0.06	3.80 ± 0.26	1.97 ± 0.06	0.83 ± 0.06	1.97 ± 0.06	1.47 ± 0.06	1.83 ± 0.06	1.93 ± 0.06	0.31 ± 0.00	0.43 ± 0.06	14.33 ± 0.58
<i>D. densiflorum</i> (D7)	3.53 ± 0.06	2.93 ± 0.06	1.78 ± 0.03	1.03 ± 0.06	1.87 ± 0.12	1.33 ± 0.12	2.10 ± 0.17	2.03 ± 0.06	0.27 ± 0.00	0.97 ± 0.06	9.67 ± 1.15
<i>D. nobile</i> var. <i>alba</i> (D8)	4.93 ± 0.06	7.17 ± 0.06	4.07 ± 0.06	1.57 ± 0.12	4.17 ± 0.23	2.47 ± 0.06	3.67 ± 0.21	2.73 ± 0.12	0.36 ± 0.00	1.03 ± 0.06	15.67 ± 1.53
<i>D. macraei</i> (D9)	1.23 ± 0.06	0.67 ± 0.06	0.97 ± 0.06	0.30 ± 0.00	0.93 ± 0.06	0.20 ± 0.00	1.03 ± 0.06	0.47 ± 0.12	0.11 ± 0.00	0.20 ± 0.00	4.67 ± 0.58
<i>D. jenkinsii</i> (D10)	1.63 ± 0.12	1.97 ± 0.06	1.13 ± 0.06	0.57 ± 0.06	1.40 ± 0.20	0.97 ± 0.06	2.23 ± 0.06	1.73 ± 0.12	0.24 ± 0.00	0.37 ± 0.06	4.33 ± 0.58
<i>D. wardianum</i> (D11)	5.77 ± 0.12	7.10 ± 0.10	4.03 ± 0.06	1.53 ± 0.06	4.37 ± 0.06	2.63 ± 0.12	3.20 ± 0.10	2.77 ± 0.06	0.30 ± 0.00	1.07 ± 0.06	12.33 ± 1.15
<i>D. thyrsoflorum</i> (D12)	2.63 ± 0.06	2.17 ± 0.06	2.13 ± 0.06	1.03 ± 0.06	2.17 ± 0.06	1.73 ± 0.12	2.53 ± 0.06	2.43 ± 0.06	0.28 ± 0.00	0.73 ± 0.06	8.33 ± 0.58
<i>D. devonianum</i> (D13)	6.03 ± 0.06	6.03 ± 0.15	3.63 ± 0.12	1.13 ± 0.06	3.57 ± 0.12	1.93 ± 0.12	3.73 ± 0.12	3.53 ± 0.06	0.30 ± 0.00	1.10 ± 0.10	9.00 ± 1.00
<i>D. chrysanthum</i> (D14)	2.17 ± 0.12	3.00 ± 0.10	1.87 ± 0.06	1.00 ± 0.10	1.77 ± 0.06	1.53 ± 0.06	2.27 ± 0.12	1.63 ± 0.12	0.21 ± 0.00	0.77 ± 0.06	8.67 ± 0.58
<i>D. eriiflorum</i> (D15)	1.13 ± 0.06	0.93 ± 0.06	1.10 ± 0.10	0.40 ± 0.10	0.97 ± 0.06	0.27 ± 0.06	0.37 ± 0.12	0.73 ± 0.06	0.33 ± 0.06	0.23 ± 0.06	5.67 ± 0.58

Mean value ± standard deviation

Supplementary Table 3. Correlation matrix of fifteen *Dendrobium* species

Variables	Plant height	Internode number	Internode diameter	Number of leaves	Leaf length	Leaf width	Inflorescence number per plant	Inflorescence length	Peduncle length	Flower number per inflorescence	Flower length	Flower width in front view	Doral sepal length	Dorsal sepal width	Petal length	Petal width	Lip length	Lip width	Column width across stigma	Spur/Mentun length	Flower longevity on plant
Plant height	1	0.933	-0.556	0.737	0.309	0.286	0.677	-0.034	0.265	0.067	0.167	0.254	0.227	0.164	0.224	0.245	0.277	0.311	0.143	0.227	0.631
Internode number	0.933	1	-0.619	0.643	0.148	0.042	0.678	-0.189	0.173	-0.153	0.058	0.216	0.123	0.083	0.133	0.122	0.190	0.219	0.103	0.182	0.507
Internode diameter	- 0.556	-0.619	1	-0.456	0.109	0.116	-0.454	0.463	0.227	0.226	-0.267	-0.268	- 0.232	-0.083	- 0.222	- 0.157	- 0.387	- 0.358	0.142	-0.404	-0.166
Number of leaves	0.737	0.643	-0.456	1	0.174	0.232	0.781	-0.129	0.205	-0.103	0.200	0.356	0.332	0.163	0.319	0.301	0.256	0.428	0.297	0.208	0.796
Leaf length	0.309	0.148	0.109	0.174	1	0.628	-0.211	0.735	0.552	0.652	0.288	0.119	0.208	0.441	0.181	0.387	0.041	0.171	0.360	0.122	0.260
Leaf width	0.286	0.042	0.116	0.232	0.628	1	0.075	0.690	0.503	0.834	0.208	0.091	0.127	0.346	0.142	0.283	0.166	0.307	0.260	0.331	0.266
Inflorescence number per plant	0.677	0.678	-0.454	0.781	- 0.211	0.075	1	-0.309	0.200	-0.200	-0.163	0.105	0.031	-0.187	0.049	- 0.058	0.083	0.157	-0.021	0.102	0.600
Inflorescence length	- 0.034	-0.189	0.463	-0.129	0.735	0.690	-0.309	1	0.738	0.854	-0.083	-0.292	- 0.250	0.046	- 0.259	- 0.008	- 0.272	- 0.102	0.269	-0.169	-0.048
Peduncle length	0.265	0.173	0.227	0.205	0.552	0.503	0.200	0.738	1	0.558	-0.077	-0.100	- 0.125	-0.013	- 0.124	0.024	- 0.106	0.095	0.246	-0.040	0.307
Flower number per inflorescence	0.067	-0.153	0.226	-0.103	0.652	0.834	-0.200	0.854	0.558	1	-0.067	-0.294	- 0.193	0.097	- 0.193	0.051	- 0.098	0.007	0.083	0.023	-0.129
Flower length	0.167	0.058	-0.267	0.200	0.288	0.208	-0.163	-0.083	-0.077	-0.067	1	0.899	0.919	0.825	0.913	0.845	0.847	0.821	0.528	0.711	0.434
Flower width in front view	0.254	0.216	-0.268	0.356	0.119	0.091	0.105	-0.292	-0.100	-0.294	0.899	1	0.961	0.848	0.969	0.852	0.882	0.855	0.587	0.773	0.613
Doral sepal length	0.227	0.123	-0.232	0.332	0.208	0.127	0.031	-0.250	-0.125	-0.193	0.919	0.961	1	0.862	0.994	0.892	0.888	0.841	0.551	0.729	0.582
Dorsal sepal width	0.164	0.083	-0.083	0.163	0.441	0.346	-0.187	0.046	-0.013	0.097	0.825	0.848	0.862	1	0.874	0.932	0.812	0.798	0.607	0.723	0.434
Petal length	0.224	0.133	-0.222	0.319	0.181	0.142	0.049	-0.259	-0.124	-0.193	0.913	0.969	0.994	0.874	1	0.900	0.897	0.852	0.552	0.738	0.577
Petal width	0.245	0.122	-0.157	0.301	0.387	0.283	-0.058	-0.008	0.024	0.051	0.845	0.852	0.892	0.932	0.900	1	0.860	0.811	0.529	0.597	0.593
Lip length	0.277	0.190	-0.387	0.256	0.041	0.166	0.083	-0.272	-0.106	-0.098	0.847	0.882	0.888	0.812	0.897	0.860	1	0.914	0.406	0.781	0.475
Lip width	0.311	0.219	-0.358	0.428	0.171	0.307	0.157	-0.102	0.095	0.007	0.821	0.855	0.841	0.798	0.852	0.811	0.914	1	0.581	0.795	0.509
Column width across stigma	0.143	0.103	0.142	0.297	0.360	0.260	-0.021	0.269	0.246	0.083	0.528	0.587	0.551	0.607	0.552	0.529	0.406	0.581	1	0.432	0.381
Spur/Mentun length	0.227	0.182	-0.404	0.208	0.122	0.331	0.102	-0.169	-0.040	0.023	0.711	0.773	0.729	0.723	0.738	0.597	0.781	0.795	0.432	1	0.273
Flower longevity on plant	0.631	0.507	-0.166	0.796	0.260	0.266	0.600	-0.048	0.307	-0.129	0.434	0.613	0.582	0.434	0.577	0.593	0.475	0.509	0.381	0.273	1

Values in bold are different from 0 with a significance level alpha=0.05