

Electronic Appendices to:

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Appendix 1: Morphological and anatomical character list. page 1

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Electronic Appendix 1. Morphological and anatomical character list.

0. fertile culm diameter at base. [continuous, additive].
1. fertile culm sheath length. [continuous, additive].
2. fertile culm sheath mucro length. [continuous, additive].
3. sterile culm sheath length. [continuous, additive].
4. male inflorescence spathe length. [continuous, additive].
5. male inflorescence spikelet length. [continuous, additive].
6. male inflorescence spikelet width. [continuous, additive].
7. male flower bract length. [continuous, additive].
8. male flower length. [continuous, additive].
9. male flower anther length. [continuous, additive].
10. female inflorescence spathe length. [continuous, additive].
11. female inflorescence spikelet length. [continuous, additive].
12. female flower bract length. [continuous, additive].
13. female flower inner tepals length. [continuous, additive].
14. nut length. [continuous, additive].
note: nut diameter not included because it was strongly correlated with nut length.
15. plant growthform: clumped = 0; tufted = 1; mat-forming = 2; tangled = 3; single isolated shoots = 4; forming long lines of culms = 5; several much-branched culms = 6. [nonadditive].
16. plant base type: without stolons = 0; with rhizomes = 1; with stolons = 2. [nonadditive].
17. rhizome type: very short with culms aggregated = 0; spreading, unbranched or sparingly branched = 1; long and slender, culms isolated = 2; long and slender, with culms clustered = 3; looping up, with clusters of culms = 4; slender, looping up to one or several culms = 5. [nonadditive].
18. fertile culm base morphology: not swollen and red = 0; swollen and red = 1.
19. fertile culm branching: unbranched = 0; sparingly branched = 1; branching = 2; much branched = 3; branches whorled at each node = 4. [nonadditive].
20. culm shape in transverse section: hemispherical = 0; square = 1; flattened = 2; round = 3. [nonadditive].
21. margins of compressed culms ribbing: distinct rib absent = 0; distinct rib present = 1.
22. fertile culm pith: solid or with a small central = 0; distinctly hollow = 1.
23. fertile culm surface ornamentation: smooth = 0; punctate = 1; striate = 2; velvety pubescent = 3; finely warty = 4; roughly warty = 5; finely rugulose = 6; rugose = 7. [nonadditive].
24. fertile culms terminal parts: flexuose = 0; straight = 1.

25. branch axil indumentum: absent = 0; present = 1.
26. clusters of sterile branches a: present = 0; absent = 1.
27. sterile branches <timing relative to flowering>: present while flowering = 0; present post flowering = 1.
28. sheath number per culm: absent or one per culm = 0; more than 1 per culm = 1.
29. sheath persistence: persistent, with no abscission = 0; dropping off, with an abscission = 1; sometimes dropping off, abscission present = 2. [nonadditive].
30. sheath rolling on the culm: closely convolute = 0; loosely convoluted = 1; flat and standing free from culm = 2. [nonadditive].
31. sheath margins: entire = 0; ciliate = 1.
32. sheath upper 1/3 in color and texture: similar to the lower 2/3 = 0; abruptly different from the base = 1.
33. sheath apical margin texture: coriaceous, like the rest of the sheath = 0; narrowly membranous = 1; broadly membranous = 2; broadly chartaceous and soon decaying = 3. [nonadditive].
34. sheath hyaline shoulder presence: absent = 0; present = 1.
35. sheath hyaline shoulder extension <degree of development>: absent = 0; membranous margins continuing = 1; small, rounded = 2; tall, acute = 3. [nonadditive].
36. sheath apex, excluding the membranous margin: acuminate = 0; acute = 1; obtuse = 2; rounded = 3; truncate = 4. [nonadditive].
37. sheath mucro presence: absent = 0; present = 1.
38. sheath mucro shape: penicellate = 1; awl- or needle-shaped = 2; hair-like = 3; flattened and leaf-like = 4; clavate = 5. [nonadditive].
39. sheath mucro orientation: straight and erect = 0; recurved = 1; twisted = 2. [nonadditive].
40. male inflorescence spikelet number: 1 spikelet = 0; 2-5 spikelets = 1; 6-10 spikelets = 2; 11-20 spikelets = 3; 21-50 spikelets = 4; 50-100 spikelets = 5; 101-500 spikelets = 6; 501 and more spikelets = 7; indefinite spikelets = 8. [discrete, additive].
41. male inflorescence type: sparsely paniculate = 0; racemose = 1; paniculate = 2; globose = 3. [nonadditive].
42. male inflorescence spathe persistence: persistent = 0; caducous = 1.
43. male inflorescence spathe upper margins: lacerated and largely decayed at anthesis = 0; entire at anthesis = 1.
44. male inflorescence spathe length: minute = 0; like the floral bracts = 1; shorter than spikelets = 2; as tall as spikelets = 3; taller than spikelets = 4. [nonadditive].
45. male inflorescence spathe texture: coriaceous = 0; hyaline = 1; chartaceous = 2; cartilaginous = 3; membranous = 4. [nonadditive].
46. male spathellae: inconspicuous or absent = 0; conspicuous = 1.
47. male flower organization: in spikelets = 0; not aggregated into spikelets = 1.
48. male spikelet orientation at anthesis: pendulous on flexible pedicels = 0; erect on stiff pedicels or sessile = 1; spreading to somewhat reflexed = 2. [nonadditive].
49. male spikelet shape in profile: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; obtriangular = 6; orbicular = 7; undifferentiated = 8. [nonadditive].
50. male spikelet curvature: at least some curved = 0; all straight = 1.
51. male spikelet apex shape: truncate = 0; rounded = 1; obtuse = 2; acute = 3; undifferentiated = 4. [nonadditive].
52. male spikelet pedicels in transverse section: terete or angular = 0; flattened = 1.

53. male bract length relative to flowers: shorter than flowers = 0; as tall as flowers = 1; taller than flowers = 2; more than twice as tall as flowers = 3. [nonadditive].
54. male bract shape: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; orbicular = 6. [nonadditive].
55. male bract apex shape: truncate = 0; rounded = 1; obtuse = 2; acute = 3; acuminate = 4; apiculate = 5; aciculate = 6. [nonadditive].
56. male bract spacing in spikelet: lax = 0; imbricate = 1.
57. male bract margin: entire = 0; shallowly toothed = 1; deeply lacerated or toothed = 2. [nonadditive].
58. male bract texture: bony = 0; coriaceous = 1; hyaline = 2; chartaceous = 3; cartilaginous = 4; membranous = 5; center chartaceous, margins broadly membranous = 6. [nonadditive].
59. male bract upper margin: like body of bract = 0; membranous, thinner texture than lower = 1; with honeycombed cells, which eventually decay = 2. [nonadditive].
60. male bract awn length relative to body: minute or absent = 0; less than half as long as the body = 1; between half and as long as than body = 2; longer than the bract body = 3. [nonadditive].
61. male tepal differentiation of rigidity: sepals and petals the same rigidity = 0; sepals more rigid than petals = 1; sepals less rigid than petals = 2. [nonadditive].
62. male tepal texture: bony = 0; coriaceous = 1; hyaline = 2; chartaceous = 3; cartilaginous = 4; membranous = 5. [nonadditive].
63. male tepal (petal) texture: hyaline = 2; chartaceous = 3; cartilaginous = 4; membranous = 5. [nonadditive].
64. male tepal shape: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; orbicular = 6. [nonadditive].
65. male tepal relative lengths: inner tepals shorter than outer = 0; inner and outer tepals the same = 1; inner tepals longer than outer = 2. [nonadditive].
66. male outer lateral tepals in transverse section: as other tepals = 0; conduplicate = 1; keeled or winged = 2. [nonadditive].
67. male outer lateral tepal keel indument: glabrous = 0; villous = 1.
68. male outer lateral tepal keel pubescence density: Keel not densely villous = 0; keel densely villous = 1.
69. anther position at dehiscence: included in the flowers = 0; exerted from the flowers = 1.
70. female inflorescence spikelet number: 1 spikelet = 0; 2-5 spikelets = 1; 6-10 spikelets = 2; 11-20 spikelets = 3; 21-50 spikelets = 4; 51-100 spikelets = 5; 101-500 spikelets = 6. [discrete, additive].
71. female spathe length relative to spikelets: insignificant = 0; like floral bracts = 1; shorter than the spikelets = 2; as long as the spikelets = 3; longer than the spikelets = 4. [nonadditive].
72. female spathe obscuring of spikelet: not obscuring spikelet = 0; obscuring spikelet = 1.
73. female spathe persistence: persistent = 0; caducous = 1.
74. female spathe texture: bony = 0; coriaceous = 1; hyaline = 2; chartaceous = 3; cartilaginous = 4; membranous = 5. [nonadditive].
75. female spathellae presence: inconspicuous or absent = 0; conspicuous = 1.
76. female spikelet stalking: sessile = 0; pedicel simple = 1; pedicel sparsely branching = 2; pedicel much branched = 3. [nonadditive].
77. female spikelet shape, when fruit is ripe: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; obtriangular = 6; orbicular = 7; undifferentiated = 8. [nonadditive].
78. female spikelet apex shape: truncate = 0; rounded = 1; obtuse = 2; acute = 3; undifferentiated = 4. [nonadditive].

79. female bract relative length: shorter than flowers = 0; as tall as flowers = 1; taller than flowers = 2; at least twice as long as flowers = 3. [nonadditive].
80. female bract apex curvature: erect = 0; reflexed = 1; straight and spreading = 2. [nonadditive].
81. female bract shape: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; orbicular = 6. [nonadditive].
82. female bract apex shape: truncate = 0; rounded = 1; obtuse = 2; acute = 3; acuminate = 4; apiculate = 5; aciculate = 6. [nonadditive].
83. female bract texture: bony = 0; coriaceous = 1; hyaline = 2; chartaceous = 3; cartilaginous = 4; membranous = 5; center chartaceous, margins broadly membranous = 6. [nonadditive].
84. female bract apical margin texture: like rest of bract = 0; membranous = 1; with honeycombed cells = 2. [nonadditive].
85. female bract apex color: paler than body of bract = 0; same as body of bract = 1; darker than body of bract = 2. [nonadditive].
86. female bracts spacing in spikelets: imbricate, obscuring spikelet = 0; lax, exposing spikelet axis = 1.
87. female bract margins: entire = 0; shallowly lacerate or toothed = 1; deeply lacerate or toothed = 2; undulate = 3. [nonadditive].
88. female bract awn relative length: minute or absent = 0; less than half as long as the = 1; between half and as long as th = 2; longer than the bract body = 3. [nonadditive].
89. female flower obliqueness: oblique = 0; regular = 1.
90. female flower curvature: straight = 0; curved = 1.
91. female flower stalking: with a fleshy pedicel = 0; without a fleshy pedicel = 1.
92. female flower tepal number: with no tepals = 0; with four tepals = 1; six tepals = 2. [nonadditive].
93. female tepal texture: bony = 0; coriaceous = 1; chartaceous = 2; cartilaginous = 3; membranous = 4. [nonadditive].
94. female tepal hairiness: scabrid all over = 0; glabrous and smooth = 1; keels of lateral sepals sparsely villous = 2; keels of lateral sepals densely villous = 3; both lateral sepal keels and odd sepal villous = 4; lateral sepal wings of fused hairs, giving dentate appearance = 5. [nonadditive].
95. female tepal size relative to nut: at least as tall as nut, obscuring nut = 0; smaller than nut and not obscuring nut = 1.
96. female tepal midrib elevation: midrib flush with the tepal body = 0; midrib raised = 1.
97. female tepal margins: entire = 0; ciliate = 1.
98. female tepal apex shape: truncate = 1; rounded = 2; obtuse = 3; acute = 4; acuminate = 5. [nonadditive].
99. female tepals relative lengths: inner whorl longer than outer = 0; inner and outer whorls the same length = 1; inner whorl shorter than outer = 2. [nonadditive].
100. female outer lateral tepals form: like other tepals = 0; conduplicate = 1; keeled or winged = 2. [nonadditive].
101. female outer lateral tepals margins: entire = 0; lacerate = 1; deeply lobed = 2. [nonadditive].
102. female outer lateral tepals wings fusion with flower stipe: lateral sepals not decurrent on stipe = 0; lateral sepals decurrent, without grooves = 1; lateral sepals decurrent, and with grooves between them = 2. [nonadditive].
103. female outer lateral tepals wings width relative to body: narrower than body = 0; as wide as body = 1; wider than body = 2. [nonadditive].

104. female odd outer tepal shape: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; orbicular = 6; broad-based, with small, variable lobe = 7. [nonadditive].
105. female inner tepals shape: linear = 0; oblong = 1; square = 2; elliptical = 3; ovate = 4; obovate = 5; orbicular = 6; broad-based, with small, variable lobe = 7. [nonadditive].
106. staminode presence in female flowers: present = 0; absent = 1.
107. style morphology: feathery = 0; plumose = 1; flattened = 2. [nonadditive].
108. style color: white = 0; pink = 1; red = 2. [nonadditive].
109. style number per pistil: 3 = 0; 2 = 1; 1 = 2. [nonadditive].
110. style base form: free = 0; fused to form a pillar = 1; seated on a stylopodium = 2. [nonadditive].
111. fused style base indumentum: glabrous = 0; more or less villous = 1.
112. ovary locule number: 3 locules = 0; 2 locules = 1; 1 locule = 2. [nonadditive].
113. fruit dehiscence: dehiscent = 0; indehiscent = 1; capsules thin-walled, sometimes indehiscent = 2. [nonadditive].
114. indehiscent fruit wall hardness: with a hard woody ovary wall = 0; with a softer ovary wall = 1.
115. perianth presence on fruits: absent = 0; persistent, papery to leathery = 1; persistent, winged = 2; persistent, membranous, as tall as fruit = 3; persistent, membranous, shorter than fruit = 4. [nonadditive].
116. shape of winged dispersal unit: orbicular = 0; oblong, narrower than long = 1.
117. nut apex ornamentation: apex smooth, without a distinct ridge = 0; cap smooth = 1; cap with a single row of ridge = 2; cap with several rows of ridge = 3. [nonadditive].
118. nut wall ornamentation: wall smooth = 0; wall pitted = 1; wall tuberculate = 2. [nonadditive].
119. nut shape in side view: elliptical = 0; ovate = 1; obovate = 2; round = 3; oblong = 4. [nonadditive].
120. nut shape in top view: round in cross section = 0; elliptical in cross section = 1; rectangular in cross section = 2; triangular in cross section = 3; planoconvex in cross section = 4. [nonadditive].
121. nut color: brown = 0; black = 1; grey = 2; tan = 3. [nonadditive].
122. elaiosome presence on fruit: present = 0; absent = 1.
123. elaiosome color: white = 0; green = 1; olivaceous = 2. [nonadditive].
124. seed shape in side view: ovate = 0; elliptical = 1; obovate = 2; round = 3; oblong = 4. [nonadditive].
125. seed shape in cross section: round in cross section = 0; elliptical in cross section = 1; somewhat flattened in cross section = 2; rectangular in cross section = 3; triangular in cross section = 4; planoconvex in cross section = 5. [nonadditive].
126. seed color: translucent = 0; silvery = 1; brown = 2; black = 3; grey = 4; yellow = 5; white = 6; tan = 7; pink = 8. [nonadditive].
127. seed surface ornamentation: smooth = 0; pitted = 1; colliculate = 2; striate = 3; brittle, white ornamentation = 4; rugose = 5. [nonadditive].
128. chlorenchyma with elliptical cavities, reaching from epidermis to parenchyma: absent = 0; present = 1.
129. protective cells cross-bars: absent = 0; present = 1.
130. outer vascular bundle ring: inside schlerencyma ring = 0; outside vascular bundle ring = 1.
131. epidermal cell layers in cross section: 1 layer = 0; 2 layers = 1.
132. outer epidermal layer completeness: interrupted = 0; complete = 1.

133. epidermal cells lateral wall: straight, unthickened = 0; sinuose, thickened = 1.
134. epidermal cells outer wall: thickened = 0; not thickened = 1.
135. epidermal cells surface ornamentation: smooth = 0; granular = 1; colliculate = 2. [nonadditive].
136. epidermal cells indumentum: glabrous = 0; with long hairs = 1; papillate = 2. [nonadditive].
137. epidermal papillae with stoma: simple = 0; arching over the stomata = 1.
138. epidermal cells <length among them>: all same length = 0; length differences of up to 1/3 = 1; length differences of more than 1/3 = 2. [nonadditive].
139. Epidermal cells with tubercles or pits: forming pits = 0; forming tubercles = 1.
140. stomatal position on epidermis: on tall epidermal cells = 0; on shorter epidermal cells = 1.
141. stomatal apparatus depth: superficial = 0; seated half-way down epidermis = 1; seated at base of epidermal cells = 2. [nonadditive].
142. stomatal guard cells: seated on top of support cells = 0; seated on inside of support cells = 1.
143. chlorenchyma inner and outer layers: similar = 0; somewhat dissimilar = 1; very dissimilar = 2. [nonadditive].
144. protective cells: equal or shorter than outer chlorenchyma = 0; longer than outer chlorenchyma = 1; reaching to the base of chlorenchyma = 2. [nonadditive].
145. parenchymatous layer: cells smaller than epidermal cells = 0; cells the same size as epidermal cells = 1; cells larger than the epidermis = 2. [nonadditive].
146. sclerenchyma walls: thin = 0; thick = 1.
147. sclerenchymatous ridges: absent to not penetrating the parenchyma = 0; only penetrating the parenchyma = 1; penetrating into the chlorenchyma = 2; reaching the epidermis = 3. [nonadditive].
148. central ground tissue: solid = 0; with scattered cavities = 1; with single, central cavity = 2. [nonadditive].
149. tannin distribution: absent = 0; epidermis = 1; parenchyma = 2; sclerenchyma = 3; central ground tissue = 4. [nonadditive].
150. silica sand distribution: in central ground tissue = 1; in chlorenchyma = 2; in parenchyma = 3; in epidermis = 4. [nonadditive].
151. silica sand presence: absent = 0; present = 1.
152. silica distribution: absent = 0; epidermis = 1; chlorenchyma = 2; parenchyma = 3; sclerenchyma = 4; central ground tissue = 5. [nonadditive].

Electronic Appendix 2. The composition of generic and other putative clades referred to in this article. Taxonomic authorities can be found in Linder (2004).

Willdenowia-clade representatives

Anthochortus crinalis
Anthochortus graminifolius
Anthochortus singularis
Cannomois arenicola
Cannomois dolichocaryon
Cannomois parviflora
Cannomois saundersii
Cannomois schlechteri
Cannomois scirpoides
Ceratocaryum argenteum
Ceratocaryum caespitosum
Ceratocaryum fimbriatum
Ceratocaryum fistulosum
Ceratocaryum pulchrum
Ceratocaryum xerophilum
Hypodiscus aristatus
Hypodiscus montanus
Hypodiscus squamosus
Mastersiella purpurea
Mastersiella spathulata
Nevillea obtusissima
Willdenowia arescens
Willdenowia glomerata

Restio-clade

Askidiosperma

Askidiosperma albo-aristata
Askidiosperma alticolum
Askidiosperma andreaeanum
Askidiosperma capitatum
Askidiosperma chartaceum
Askidiosperma delicatulum
Askidiosperma esterhuyseniae
Askidiosperma insigne
Askidiosperma longiflorum
Askidiosperma nitidum
Askidiosperma paniculatum
Askidiosperma rugosum

Calopsis #1

Calopsis paniculata
Restio quadratus
Restio tetragonus

Calopsis #2

Calopsis levynsiae
Calopsis rigida

Calopsis #3

Calopsis adpressa
Calopsis andreaeana
Calopsis burchellii
Calopsis dura
Calopsis filiformis
Calopsis fruticosa
Calopsis gracilis
Calopsis marlothii
Calopsis muirii
Calopsis rigorata
Calopsis viminea

Elegia

Elegia acockii
Elegia aggregatum
Elegia altigena
Elegia amoena
Elegia asperiflora
Elegia atratiflora
Elegia caespitosa
Elegia capensis
Elegia coleura
Elegia cuspidata
Elegia decipiens
Elegia deustum
Elegia ebracteatum
Elegia elephantinum
Elegia equisetacea
Elegia esterhuyseniae
Elegia extensa
Elegia fastigiata
Elegia fenestrata
Elegia filacea
Elegia fistulosa
Elegia fucata
Elegia galpinii
Elegia glomerata
Elegia grandis
Elegia grandispicata
Elegia hookerianum
Elegia hutchinsonii
Elegia intermedia
Elegia juncea
Elegia macrocarpa
Elegia marlothii
Elegia microcarpum
Elegia mucronatum
Elegia muirii
Elegia neesii
Elegia nudum
Elegia persistens
Elegia prominens
Elegia racemosa
Elegia rectum
Elegia rigida

Elegia spathacea
Elegia squamosa
Elegia stipularis
Elegia stokoei
Elegia tectorum
Elegia thyrsifera
Elegia thyrsoides
Elegia vaginulata
Elegia verreauxii

Ischyrolepis

Ischyrolepis affinis
Ischyrolepis anomala
Ischyrolepis arida
Ischyrolepis caespitosa
Ischyrolepis capensis
Ischyrolepis cincinnata
Ischyrolepis coactilis
Ischyrolepis constipata
Ischyrolepis curvibracteata
Ischyrolepis curviramis
Ischyrolepis distracta
Ischyrolepis duthieae
Ischyrolepis eleocharis
Ischyrolepis elsieae
Ischyrolepis esterhuyseniae
Ischyrolepis feminea
Ischyrolepis fraterna
Ischyrolepis fuscidula
Ischyrolepis gaudi var. *gaudi*
Ischyrolepis gaudi var. *luxurians*
Ischyrolepis gossypina
Ischyrolepis helenae
Ischyrolepis hystrix
Ischyrolepis karooica
Ischyrolepis laniger
Ischyrolepis leptocladus
Ischyrolepis longiaristata
Ischyrolepis macer
Ischyrolepis marlothii
Ischyrolepis monanthos
Ischyrolepis nana
Ischyrolepis nubigena
Ischyrolepis ocreata
Ischyrolepis paludosa
Ischyrolepis papillosa
Ischyrolepis parthenocarpos
Ischyrolepis pratensis
Ischyrolepis pygmaea
Ischyrolepis rivula
Ischyrolepis rottboellioides
Ischyrolepis sabulosa
Ischyrolepis saxatilis
Ischyrolepis schoenoides
Ischyrolepis setiger
Ischyrolepis sieberi

Ischyrolepis sporadica
Ischyrolepis subverticellata
Ischyrolepis tenuis
Ischyrolepis tenuissima
Ischyrolepis triflora
Ischyrolepis unispicata
Ischyrolepis venustulus
Ischyrolepis vilis
Ischyrolepis virgea
Ischyrolepis wallichii
Ischyrolepis wittebergensis

Platycaulos

Platycaulos acutus
Platycaulos anceps
Platycaulos callistachyus
Platycaulos cascadenis
Platycaulos compressus
Platycaulos depauperatus
Platycaulos major
Platycaulos subcompressus
Restio galpinii
Restio mahonii ssp. *humbertii*
Restio mahonii ssp. *mahonii*
Restio mlanjiensis
Restio quartziticola

Restio ambiguus

Restio ambiguus

Restio #1

Calopsis esterhuyseniae
Calopsis monostylis
Restio sp. aff. *pedicellatus*
Restio bifarius
Restio bifidus
Restio confusus
Restio echinatus
Restio miser
Restio nuwebergensis
Restio papyraceus
Restio pedicellatus
Restio stereocaulis
Restio subtilis

Restio #2

Restio egregius
Restio micans

Restio #3

Restio acockii
Restio aureolus
Restio bifurcus
Restio bolusii
Restio brachiatus
Restio brunneus

Restio burchellii
Restio capillaris
Restio cymosus
Restio filiformis
Restio fusiformis
Restio insignis
Restio inveteratus
Restio nodosus
Restio obscurus
Restio occultus
Restio pachystachyus
Restio patens
Restio perplexus
Restio perseverans
Restio praeacutus
Restio pulvinatus
Restio rupicola
Restio strobilifer

Restio #4

Restio debilis
Restio distans
Restio quinquefarius
Restio similis

Restio #5

Calopsis aspera
Calopsis clandestina
Calopsis hyalina
Calopsis impolita
Calopsis membranacea
Calopsis nudiflora
Calopsis pulchra
Calopsis sparsa
Restio alticola
Restio arcuatus
Restio colliculospermus
Restio communis
Restio corneolus
Restio decipiens
Restio degenerans
Restio dispar
Restio distichus
Restio dodii var. *dodii*
Restio dodii var. *purpurascens*
Restio ejuncidus
Restio festuciformis
Restio fragilis
Restio harveyi
Restio implicatus
Restio inconspicuus
Restio ingens
Restio involutus
Restio leptostachyus
Restio montanus
Restio multiflorus

Restio paludicola
Restio peculiaris
Restio pillansii
Restio pumilis
Restio purpurascens
Restio rarus
Restio saroclados
Restio scaber
Restio scaberulus
Restio secundus
Restio sejunctus
Restio singularis
Restio stokoei
Restio strictus
Restio triticeus
Restio tuberculatus
Restio vallis simius
Restio verrucosus
Restio versatilis
Restio zuluensis
Restio zwartbergensis

Rhodocoma

Rhodocoma alpina
Rhodocoma arida
Rhodocoma capensis
Rhodocoma foliosa
Rhodocoma fruticosa
Rhodocoma gigantea
Rhodocoma gracilis
Rhodocoma vleibergensis

Staberoha

Staberoha aemula
Staberoha banksii
Staberoha cernua
Staberoha distachyos
Staberoha multispicula
Staberoha ornata
Staberoha remota
Staberoha stokoei
Staberoha vaginata

Thamnochortus

Thamnochortus acuminatus
Thamnochortus amoena
Thamnochortus arenarius
Thamnochortus bachmannii
Thamnochortus cinereus
Thamnochortus dumosus
Thamnochortus ellipticus
Thamnochortus erectus
Thamnochortus fraternus
Thamnochortus fruticosus
Thamnochortus glaber
Thamnochortus gracilis

Thamnochortus guthrieae
Thamnochortus insignis
Thamnochortus karooica
Thamnochortus levynsiae
Thamnochortus lucens
Thamnochortus muirii
Thamnochortus nutans
Thamnochortus obtusus
Thamnochortus paniculatus
Thamnochortus papyraceus
Thamnochortus pellucidus
Thamnochortus platypteris
Thamnochortus pluristachyus
Thamnochortus pulcher
Thamnochortus punctatus
Thamnochortus rigidus
Thamnochortus schlechteri
Thamnochortus spicigerus
Thamnochortus sporadicus
Thamnochortus stokoei