

# HOYA NEW



**Oh There it is !**

**Hoya imbricata growing along the roadside on the island of Palawan, Philippines  
taken by Dale Kloppenburg**

A pdf publication devoted to the Genus

Hoya ISSN 2329-7336

**Volume 3 Issue 3**

December 2014

Editor:

Dale Kloppenburg

# Contents

When a species is collected from the wild, I feel it is wise to identify it, propagate it and name it. In this way it will eventually get it into commercial channels, be distributed to all those interested in this genus and thus be preserved. If in the future the species is lost through natural causes or forest destruction it will still be here on earth in your collection.

**NOTE:** please see the Website publication of these species at “[www.rare-hoyas.com](http://www.rare-hoyas.com)”. Go to end and click on “publication” to access new species publications.

## Key to Philippine Hoya Species

ISSN 2329-7336

**There are some structural properties not yet found in the Philippine hoyas species so the key is left blank. At the end are pictures of most characters.**

- 1: Plant a bush (Shrub) not a vine/otherwise
2. Plant a with dangling stems, not a vine/otherwise
3. Clear sap/milky sap
4. Stems 4 sided/stems round
5. Leave nerves palmate/otherwise
6. Leave nerves plinerved/ pinnate
7. Leaf nerves anastomosing/otherwise
8. Leaf blade imbricate/otherwise
9. Leaf blade appressed to substrate (Bark of trees)/otherwise
10. Leaf nerves lighter than leaf surface (white)/otherwise
11. Leaf nerves darker than leaf surface (purple-Green)/otherwise
12. Leaf blade terete (nearly round in cross section)/otherwise (not terete)
13. Leaf blade elliptic or ovate-obovate/otherwise
14. Leaf blade long, enervis, dorsal concave (V or U shaped)/otherwise
15. Leaf blade thick (drought resistant)/ otherwise
16. Leaf blade long, enervis dorsal convex/otherwise
17. Leaf blade 10X longer than wide/otherwise
18. Leaf blade 5X-9X longer than wide/otherwise
19. Leaves with indumentum on both surfaces/glabrous
20. Leaves with indumentum on lower surface only (ventral)/otherwise
21. Leaf secondary nerves perpendicular to the midrib/otherwise
22. Leaves more than 2 at a node occasionally (compact nodes)/otherwise
23. Leaf, one at a node, sometimes one aborts/otherwise
24. Leaves of two types, dimorphic or much different size (e.g. Round, elliptic)/otherwise

25. Leaf with no petiole (sessile)/with petiole
26. Leaf base cordate or subcordate/otherwise
27. Leaf base cuneate or sub-cuneate/otherwise
28. Leaf edge undulate/entire
29. Leaf edge recurved/otherwise
30. Leaf edge dark colored/otherwise
31. Leaf apex acuminate/otherwise
32. Leaf apex mucronate or apiculate or pandurate/otherwise
33. Leaf apex truncate/otherwise
34. Petiole grooved above/not grooved
35. Peduncles multiple (more than one)/only one at node
36. Peduncle none (sessile)/ with peduncle
37. Peduncle 15 cm long or more/shorter
38. Pedicel curved of varying lengths/straight
39. Pedicel with indumentum (puberulous, pubescent, hirsute)/glabrous or few hair cells
40. Sepals round or nearly so/otherwise
41. Sepals linear/otherwise
42. Sepals ciliate/otherwise
43. Sepals extends to the corolla sinuses or beyond/shorter not extended to corolla sinus
44. Sepals with ligulate ciliate extensions inside around ovaries/otherwise
45. Sepals multiple, more than 5 / otherwise
46. Ovaries with hirsute cells/otherwise
47. Corolla urceolate/otherwise
48. Corolla campanulata/otherwise
49. Corolla revolute/otherwise
50. Corolla reflexed/otherwise
51. Corolla rotate/otherwise
52. Corolla lobes cupped forward claw like/otherwise
53. Corolla inside glabrous (papillate)/otherwise
54. Corolla both surfaces glabrous/otherwise
55. Corolla both surfaces pubescent or puberulous/otherwise
56. Corolla upper surface pubescent margined, inward less or glabrous/ otherwise
57. Corolla inner surface edged with long stellate hairs/otherwise
58. Corolla inner surface at the base with long slender wooly hair cells/otherwise
59. Corolla with hirsute (stellate) ring below the corona/otherwise
60. Corolla with apex villous/otherwise
61. Corolla white; corona red-purple/otherwise
62. Corona sunken into corolla/otherwise
63. Corolla distinctly veined/otherwise
64. Corona lobes expanded to form a flat plate (dorsal surface)/ otherwise
65. Corolla lobe apex very long and narrow/otherwise
66. Corolla with central pentagonal thickened ridge/otherwise
67. Corona bilobed (Acanthostemma)/otherwise
68. Corona with skirt (Otostemma)/otherwise
69. Corona with skirt and bilobed (2 sections)/otherwise
70. Corona bilobed apices folded inward/otherwise

71. Corona outer lobe vertical/otherwise
72. Corona outer lobe raised/otherwise
73. Corona outer lobe horizontal /otherwise
74. Corona outer lobe apex turned down (depressed)/otherwise
75. Corona outer lobe apex recurved (revolute)/otherwise
76. Corona outer lobe apex acute or attenuate/otherwise
77. Corona outer lobe apex rounded/otherwise
78. Corona outer lobe apex truncate/otherwise
79. Corona outer lobe apex emarginated/otherwise
80. Corona outer lobe apex turned inward (inflexed)/otherwise
81. Corona outer lobe apex with two flaps turned inward (inflexed)/otherwise
82. Corona dorsal rounded (humped)/otherwise
83. Corona dorsal horizontal/otherwise
84. Corona dorsal concave/otherwise
85. Corona dorsal edge sharp/otherwise (rounded)
86. Corona outer lobe dorsal channeled/otherwise
87. Corona dorsal keeled/otherwise
88. Corona dorsal with two keels or more/otherwise
89. Corona dorsal sway backed (U shaped)/otherwise
90. Corona dorsal shallow cupped (boat shaped)/ otherwise
91. Corona dorsal with umbo/otherwise
92. Corona inner lobe with broad shoulders out from apex / otherwise
93. Coronal outer lobe meets or exceeds corolla sinus
94. Corona lobes with side shelves extending to inner lobe apex
95. Corona inner lobe terete/otherwise
96. Coronal inner lobe spatulate/otherwise
97. Coronal inner lobe short/long dentate/otherwise
98. Corona inner lobe erect with short spur/otherwise
99. Corona inner lobe keeled/otherwise
100. Corona inner lobe with crest (clavate)/otherwise
101. Corona inner lobe below clavate/otherwise
102. Corona with inner lobe with two segments (straight or hooked)/otherwise
103. Corona inner lobe with two projections pointing centrally along sides/otherwise
104. Corona inner lobe blunt (square or rectangular end)/otherwise
105. Corona inner apex no extension (abrupt end)/otherwise
106. Coronal ventral outer lobe with two round spurs pointing apically/otherwise
107. Corona ventral with two flat pads on channel of each lobe/otherwise
108. Corona inner lobe reaches the center/otherwise
109. Corona inner lobe above outer lobe/otherwise
110. Corona inner lobe not free of anther/otherwise
111. Corona inner lobe channeled below/otherwise
112. Coronal inner lobe hollow involuted long awn shaped acuminate upright apex
113. Corona with annulus below/otherwise
114. Corona ventral channel edges turn outward forming a V shape in the center.
115. Corona ventral hirsute or pubescent around central column/otherwise
116. Corona ventral with swollen protrusions at column base pointing outward/otherwise

117. Corona ventral punctate on surface around central column/otherwise
118. Corona ventral lobes closely appressed to the column (a) (b)/otherwise
119. Corona ventral with pentagonal rolled area in from the channels (pre skirt like)
120. Coronal lobes not sulcate, surfaces waxy smooth/otherwise
121. Coronal lobes nearly vertical (upright)/otherwise
122. Gynostegia pubescent/glabrous / otherwise
123. Anthers exceeds inner lobe (center exposed)/otherwise
124. Anthers, exceeds inner lobe (center covered)/otherwise
125. Anthers exposed but corona inner lobe is higher, exceeds (overtops)/lower
126. Anthers very long greatly exceeding the coronal inner lobe/otherwise
127. Anthers creped/otherwise
128. Anther wings outer apex square extended/otherwise
129. Anther wings with 2 apices U shaped apex/otherwise
130. Anther wing apices thick sided 3 apices, blunt/otherwise
131. Anther wing outer apex thick sides end rounded/otherwise
132. Anther wing apex acute, extended/otherwise
133. Style capitate or ornate/otherwise
134. Style cone shaped/otherwise
135. Flower clusters globose or semi-globose/otherwise
136. Flower cluster of 1-5 flowers, usually/otherwise
137. Flower cluster of up to 6 flowers, usually/otherwise
138. Flower cluster of up to 10 flowers, usually/otherwise
139. Flower cluster of from 10-14 flowers, usually/otherwise
140. Flower cluster with up to 19 flowers, usually/otherwise
141. Flower cluster of up to 20 flowers, usually/otherwise
142. Flower cluster of up to 25 flowers, usually/otherwise
143. Flower cluster of up to 30 flowers, usually/otherwise
144. Flower cluster of up to 40 flowers, usually/otherwise
145. Flower cluster of up to 50 flowers, usually/otherwise
146. Flower cluster of up to 60 flowers, usually/otherwise
147. Flower cluster of up to 70 flowers, usually/otherwise
148. Flower cluster of up to 80 flowers, usually/otherwise
149. Flower cluster of up to 120 flowers, usually/otherwise
150. Pollinia length greater than 1 mm long /otherwise
151. Pollinia length greater than .89 mm long /otherwise
152. Pollinia length greater than .79 mm long /otherwise
153. Pollinia length greater than .69 mm long /otherwise
154. Pollinia length greater than .59 mm long /otherwise
155. Pollinia length greater than .49 mm long /otherwise
156. Pollinia length greater than .39 mm long /otherwise
157. Pollinia length greater than .29 mm long /otherwise
158. Pollinia length greater than .18 mm long /otherwise
159. Pollinia width (Widest) .10 mm or less /otherwise
160. Pollinia width (Widest) .11 - .13 mm /otherwise
161. Pollinia width (Widest) .14 mm /otherwise
162. Pollinia width (Widest) .15 mm /otherwise

163. Pollinia width (Widest) .16 mm /otherwise
164. Pollinia width (Widest) .17 mm /otherwise
165. Pollinia width (Widest) .18 mm /otherwise
166. Pollinia width (Widest) .19 mm /otherwise
167. Pollinia width (Widest) .20 mm /otherwise
168. Pollinia width (Widest) .21 mm /otherwise
169. Pollinia width (Widest) .22 mm /otherwise
170. Pollinia width (Widest) .23 mm /otherwise
171. Pollinia width (Widest) .24 mm /otherwise
172. Pollinia width (Widest) .25 mm /otherwise
173. Pollinia width (Widest) .26 mm /otherwise
174. Pollinia width (Widest) .27 mm /otherwise
175. Pollinia width (Widest) .28 mm /otherwise
176. Pollinia width (Widest) .29-30 mm /otherwise
177. Pollinia width (widest) .31-.64 mm /otherwise
178. Translators linear relatively narrow throughout its length, just reaching the pollinia end (ls)/otherwise
179. Translators linear but modified and a little beyond pollinia end l/cw or l/o /otherwise
180. Translators fiddle shaped, more like a drumstick, ends beyond pollinia end (lb) /otherwise
181. Translators perpendicular to the retinaculum (p) /otherwise
182. Translators delta shaped, with a flat top (d) /otherwise
183. Translator outer end truncate (truncate, squared off) (t) /otherwise
184. Caudicle with small ball end (comma shaped) (o) /otherwise
185. Caudicle a wide end usually funnel shaped (cw) /otherwise
186. Leaf nerve angle to midrib usually 15° or less /otherwise
187. Leaf nerve angle to midrib usually 16-25° /otherwise
188. Leaf nerve angle to midrib usually 26-30° /otherwise
189. Leaf nerve angle to midrib usually 31-45° /otherwise
190. Leaf nerve angle to midrib usually 46-50° /otherwise
191. Leaf nerve angle to midrib usually 51-60° /otherwise
192. Leaf nerve angle to midrib usually 61-90° or greater
193. Coronal lobes greater than 1.0 cm long (apex – apex) /otherwise
194. Coronal lobes between 0.70 - .90 cm long /otherwise
195. Coronal lobes between 0.60 – 0.69 cm long /otherwise
196. Coronal lobes between 0.50 – 0.59 cm long /otherwise
197. Coronal lobes between 0.40 – 0.49 cm long /otherwise
198. Coronal lobes between 0.30 – 0.39 cm long /otherwise
199. Coronal lobes between 0.20 – .29 cm long /otherwise
200. Coronal lobes between 0.10 – .19 cm long /otherwise
201. Coronal lobes between less than .09 cm long /otherwise
202. Style crown ornate with finger or tubes extending over center (style) dome /otherwise
203. Stems normally with no leaves/with leaves /otherwise
204. Corolla red, corona white /otherwise

205. Corolla & Corona white, ivory /otherwise
206. Corolla & Corona red toned to purplish colored /otherwise
207. Corolla & Corona yellow toned /otherwise
208. Corona with bilobes turned under at outer coronal lobe apex /otherwise
209. Corona channel side lobes (inner ends) project like feet toward central column /otherwise
210. Corolla with ligules at the sinuses /otherwise
211. Corolla with conduplicate lobes at sinus (ventral) / otherwise
212. Calyx base bulbous / otherwise
213. Corona outer lobe apex split (bilobed) / otherwise
214. Corona outer lobe apex triplex / otherwise
215. Corona dorsal with shoulders (2) just out from inner lobe apex / otherwise
216. Calyx with multiple ligules at the sinuses / otherwise
217. Ovaries linear (long and narrow/ otherwise
218. Ovaries columnar / otherwise
219. Ovaries dome shaped / otherwise
220. Ovary apex modified ends turn in and touch in center “kissing” / otherwise
221. Ovary apex modified apex with raised circular edge “lips” / otherwise
222. Ovary apex modified apex with short spike like extensions / otherwise.
223. Ovary with a narrowing as it approaches the apex “bottle neck shaped”
224. Pollinia with inner apex truncate. “S”
225. Pollinia with inner apex rounded “R”
226. Pollinia with apex tapered centrally (inward) “T”
227. Pollinia with apex tapering centrally edges flat. “F”
228. Pollinia inner apices of two types one rounded “R” and one tapered “T”
229. Pollinia external base expanded outward.
230. Caudicle clear / otherwise.
- 231 Caudicles granulate to various degrees (like snake skin).
232. Translators with spreading base, expansive.
233. Caudicles rectangular with some dorsal modifications/ otherwise.
234. Stems without adventitious roots.
235. Bulbous outer coronal lobes.
236. Retinaculum elongate, long & narrow.
237. Retinaculum shield shaped (head, shoulders, waist, hip & legs).
238. Retinaculum shield shaped, head dome shaped.
239. Retinaculum shield shaped, head elongated.
240. Retinaculum no shoulders or slight.
241. Retinaculum long shoulders.
242. Retinaculum round legs hidden.
243. Retinaculum round legs showing.
244. Retinaculum with shoulder ends up (hands up).
245. Retinaculum arms along sides.
246. Retinaculum horns on head.

**Bold:** data from type material.



1. Plant a bush (shrub) not a vine / otherwise

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. *Hoya cembra* Kloppenburg 1990
3. *Hoya cumingiana* Decaisne 1844
4. *Hoya densifolia* Turczaninow 1848
5. **Hoya golamcoana** Kloppenburg 1991
6. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
7. **Hoya linavergarae** Kloppenburg & Siar 2006
8. *Hoya multiflora* Blume 1823
9. *Hoya odorata* Schlechter 1906
10. *Hoya paziae* Kloppenburg 1990
11. **Hoya platycaulis** Simonsson & Rodda 2009



2. Plant a with dangling stems, not a vine / otherwise

1. **Hoya weebella** Kloppenburg 2005
2. **Hoya williamoliveriana** Klopp., Cajano & Hadsall 2015

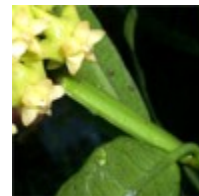


3. Clear sap / otherwise

1. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
2. **Hoya monetteae** T. Green 2004
3. **Hoya skinneriana** Kloppenburg 2011

4. Stems 4 sided / otherwise

1. **Hoya platycaulis** Simonsson & Rodda 2009



5. Leaves nerves palmate / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
3. *Hoya merrillii* Schlechter 1904
4. **Hoya moninae** Kloppenburg & Cajano 2014
5. *Hoya pentaphlebia* Merrill 1918
6. *Hoya quinquinervia* Warburg 1904
7. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
8. **Hoya samarensis** Kloppenburg & Siar 2011
9. **Hoya taytayensis** Kloppenburg & Siar 2013
10. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013



6. Leaf nerves plinerved / otherwise



1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya atimonanensis** Kloppenburg & Siar 2006
3. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
4. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
5. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
6. *Hoya benguetensis* Schlechter 1906
7. **Hoya benvergarae** Kloppenburg & Siar 2008
8. **Hoya bicoloris** Kloppenburg, Siar & Cajano 2013
9. **Hoya bifunda** Kloppenburg, Siar & Cajano et 2013
10. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
11. **Hoya blashernaезii** Kloppenburg 1999
12. *Hoya bordenii* Schlechter 1906
13. **Hoya brittonii** Kloppenburg 1992
14. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
15. *Hoya camphorifolia* Warburg 1904
16. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
17. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
18. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
19. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
20. **Hoya ferrerasii** Kloppenburg & Siar 2010
21. *Hoya fischeriana* Warburg 1904
22. **Hoya fitchii** Kloppenburg 2009
23. **Hoya foxii** Kloppenburg 2014
24. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
25. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
26. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
27. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
28. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
29. **Hoya loyceandrewsiana** T. Green 1995
30. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
31. *Hoya mcgregorii* Schlechter 1906
32. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
33. *Hoya palawanica* Kloppenburg 1990
34. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
35. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
36. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
37. **Hoya querinoensis** Kloppenburg & Siar 2007
38. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
39. **Hoya samarensis** Kloppenburg & Siar 2011
40. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
41. **Hoya soligamiana** Kloppenburg & Siar 2009
42. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
43. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
44. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013



45. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
46. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
47. **Hoya wibergiae** Kloppenburg 2001
48. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

7. Leaf nerves anastomosing / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya anncajanoae** Kloppenburg & Siar 2008
3. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
4. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
5. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
6. *Hoya benguetensis* Schlechter 1906
7. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
8. **Hoya benvergarae** Kloppenburg & Siar 2008
9. **Hoya bifunda** Kloppenburg Siar, Cajano, Guevarra & Carandang 2013
10. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
11. **Hoya blashernaezii** Kloppenburg 1999
12. *Hoya bordenii* Schlechter 1906
13. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
14. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
15. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
16. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
17. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
18. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
19. **Hoya estrellaensis** T. Green & Kloppenburg 2012
20. **Hoya fitchii** Kloppenburg 2009
21. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
22. *Hoya halconensis* Kloppenburg 1990
23. **Hoya lagunaensis** Kloppenburg 2014
24. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
25. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
26. *Hoya mcgregorii* Warburg 1906
27. *Hoya mindorensis* Schlechter 1906
28. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 20
29. *Hoya palawanica* Kloppenburg 1990
30. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
31. **Hoya platycaulis** Simonsson & Rodda 2009
32. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
33. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
34. **Hoya querinoensis** Kloppenburg & Siar 2007
35. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
36. **Hoya blashernaezii subsp. siariae** Kloppenburg 2002
37. **Hoya skinneriana** Kloppenburg & Wayman 2011
38. **Hoya soligamiana** Kloppenburg & Siar 2009

39. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
40. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
41. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
42. **Hoya wibergiae** Kloppenburg 2001
43. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

8. Leaf blade imbricate / otherwise

1. *Hoya densifolia* Turczaninow 1848
2. *Hoya imbricate* Decaisne 1844
3. *Hoya imbricata* forma *basisubcordata* Koorders 1919
4. *Hoya pseudomaxima* Koorders 1918



9. Leaf blade pressed to substrate (Bark of trees) / otherwise

1. *Hoya imbricate* Decaisne 1844
2. *Hoya imbricata* forma *basisubcordata* Koorders 1919
3. *Hoya pseudomaxima* Koorders 1918



10. Leaf nerves lighter color than leaf surface / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
4. *Hoya benguetensis* Schlechter 1906
5. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
6. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
7. **Hoya bifunda** Kloppenburg, Siar et al 2013
8. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
9. **Hoya blashernaezii** Kloppenburg 1999
10. *Hoya bordenii* Schlechter 1906
11. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
13. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
14. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
15. **Hoya fitchii** Kloppenburg 2009
16. **Hoya foxii** Kloppenburg 2014
17. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
18. **Hoya lagunaensis** Kloppenburg 2014
19. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
20. **Hoya litii** Kloppenburg, Siar, & Cajano 2015



21. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
22. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
23. **Hoya paulshirleyii** Kloppenburg & T. Green 2010
24. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
25. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
26. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
27. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
28. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002
29. **Hoya soligamiana** Kloppenburg & Siar 2009
30. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
31. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
32. **Hoya blashernaeszii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
33. **Hoya vicencioana** Kloppenburg, Siar, Cajano et al 2013
34. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

11. Leaf nerves darker than leaf surface (Green or purplish)

12. Leaf terete (round in cross section or nearly so) / otherwise

13: Leaf blade elliptic or ovate to obovate / otherwise

1. **Hoya alagensis** Kloppenburg 1990
2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
4. **Hoya amorosae** Green & Kloppenburg 2014
5. **Hoya anncajanoae** Kloppenburg & Siar 2008
6. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
7. **Hoya bandongii** Kloppenburg & Ferreras 2011
8. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
9. **Hoya bicolor** Kloppenburg 2003
10. **Hoya bilobata** Schlechter 1906
11. **Hoya buotii** Kloppenburg 2002
12. **Hoya camphorifolia** Warburg 1904
13. **Hoya cardiophylla** Merrill 1920
14. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
15. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
16. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
17. **Hoya cumingiana** Decaisne 1844
18. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
19. **Hoya davaoensis** Kloppenburg 2013
20. **Hoya densifolia** Turczaninow 1848
21. **Hoya edanoi** Burton ex Kloppenburg 1991
22. **Hoya ferrerasii** Kloppenburg & Siar 2010



23. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
24. **Hoya golamcoana** Kloppenburg 1991
25. **Hoya heuschkeliana** Kloppenburg 1989
26. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
27. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
28. *Hoya imbricata* Decaisne 1844
29. *Hoya imperialis* Lindley 1846
30. *Hoya incrassata* Warburg 1904
31. **Hoya krohniana** Kloppenburg & Siar 2009
32. **Hoya lagunaensis** Kloppenburg 2014
33. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
34. **Hoya lucardenasia** Kloppenburg, Siar & Cajano 2009
35. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
36. *Hoya merrillii* Schlechter 1904
37. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
38. *Hoya minutiflora* Rodda & Simonsson 2010
39. **Hoya moninae** Kloppenburg & Cajano 2014
40. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014
41. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
42. **Hoya panchoi** Kloppenburg 1988
43. *Hoya pentaphlebia* Merrill 1918
44. *Hoya pubicalyx* Merrill 1918
45. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
46. *Hoya quinquinervia* Warburg 1904
47. **Hoya santiagoi** Kloppenburg & Siar 2011
48. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
49. **Hoya skinneriana** Kloppenburg & Wayman 2011
50. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
51. **Hoya taytayensis** Kloppenburg & Siar 2013
52. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
53. **Hoya vicencioana** Kloppenburg, Siar, Cajano & Carandang 2013

14. Leaf blade long, enervis, dorsal concave (V or U shaped) / otherwise

1. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
2. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
3. **Hoya greenii** Kloppenburg 1995
4. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
5. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
6. **Hoya loheri** Kloppenburg 1991
7. **Hoya lucyae** Kloppenburg & Siar 2006
8. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014
9. **Hoya odetteae** Kloppenburg 1998
10. **Hoya ramosii** Kloppenburg & Siar 2007





11. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
12. **Hoya stoneana** Kloppenburg & Siar 2006
13. **Hoya tsangii** Burton ex Kloppenburg 1988
14. **Hoya wayetii** Kloppenburg 1993
15. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

15. Leaf blade thick (drought resistant) / otherwise

16. Leaf blade long, enervis dorsal convex / otherwise

1. **Hoya loheri** Kloppenburg 1991

Picture above

17. Leaf blade 10X longer than wide / otherwise

1. **Hoya platycaulis** Simonsson & Rodda 2009
2. **Hoya ramosii** Kloppenburg & Siar 2007



18. Leaf blade 5X-9X longer than wide / otherwise

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
3. **Hoya espadoniana** Kloppenburg, Siar & Cajano 2014
4. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
5. **Hoya odetteae** Kloppenburg 1998
6. **Hoya platycaulis** Simonsson & Rodda 2009
7. **Hoya quisumbingii** Kloppenburg 1992
8. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
9. **Hoya tsangii** C. M. Burton 1988
10. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015



19. Leaves with indumentum both surfaces / otherwise

1. **Hoya burtoniae** Kloppenburg 1990
2. *Hoya multiflora* Blume 1823
3. **Hoya stoneana** Kloppenburg & Siar 2006



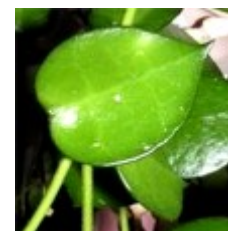
20. Leaf blade with indumentum on lower surface (ventral) only / otherwise

1. *Hoya cumingiana* Decaisne 1844



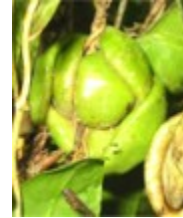
21. Leaf secondary nerves perpendicular to the midrib or nearly so / otherwise

1. *Hoya darwinii* Loher 1910
2. **Hoya greenii** Kloppenburg 1995
3. **Hoya krohniana** Kloppenburg & Siar 2009



22. Leaves more than 2 at a node (nodes compact) etc. / otherwise

1. *Hoya darwinii* Loher 1910
2. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014
3. ***Hoya quisumbingii*** Kloppenburg 1992



23. Leaf one at a node, or one aborts occasionally / otherwise

1. *Hoya imbricata* Decaisne 1844
2. *Hoya imbricata* basisubcordata Koorders 1919
3. *Hoya pseudomaxima* Koorders 1918



24. Leaves of two types dimorphic or vastly different size (eg. round, elliptic) / otherwise

1. ***Hoya cupula*** Kloppenburg, Mendoza & Ferreras 2013
2. *Hoya darwinii* Loher 1910
3. *Hoya leytensis* Elmer ex C. M. Burton 1988
4. ***Hoya panchoi*** Kloppenburg 1988
5. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013



25. Leaf with no petiole (sessile) or almost so / otherwise

26. Leaf base cordate or subcordate / otherwise

1. ***Hoya alwitriana*** Kloppenburg, Siar, Guevarra & Carandang 2012
2. *Hoya angustisepala* Burton 1987 (syn. *coriacea*)
3. ***Hoya benstoneana*** Klopp., Siar, Guevarra & Carandang 2013
4. ***Hoya bicolor*** Kloppenburg 2003
5. *Hoya cardiophylla* Merrill 1920
6. ***Hoya celata*** Klopp., Siar, Mendoza, Cajano & Carandang 2013
7. ***Hoya concava*** Kloppenburg, Siar, Guevara & Carandang 2014
8. ***Hoya coriacea* subsp. *philippinensis*** Kloppenburg, Siar & Ferreras 2013
9. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
10. *Hoya cumingiana* Decaisne 1844
11. *Hoya dimorpha* Bailey 1898
12. ***Hoya diversifolia* subsp. *el-nidicus*** Kloppenburg 1991
13. ***Hoya golamcoana*** Kloppenburg 1991
14. ***Hoya ilagiorum*** Kloppenburg, Siar & Cajano 2011
15. *Hoya imperialis* Lindley 1846
16. *Hoya incrassata* Warburg 1904
17. ***Hoya krohniana*** Kloppenburg & Siar 2009
18. *Hoya obscura* Elmer ex C. M. Burton 1986





19. *Hoya pentaphlebia* Merrill 1918
20. *Hoya pseudomaxima* Koorders 1918
21. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014
22. ***Hoya surigaoensis*** Kloppenburg, Siar & Nuhuus 2010
23. ***Hoya taytayensis*** Kloppenburg & Siar 2013
24. ***Hoya vicencioana*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013

27. Leaf base cuneate or sub-cuneate/ otherwise

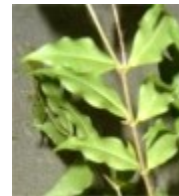
1. ***Hoya acanthominima*** Klopp., Mendoza & Ferreras 2013
2. ***Hoya apoensis*** Kloppenburg & Siar 2011
3. ***Hoya atimonanensis*** Kloppenburg & Siar 2006
4. ***Hoya bicknellii*** Kloppenburg 1999
5. ***Hoya brittonii*** Kloppenburg 1992
6. ***Hoya celsa*** Kloppenburg, Siar, Cajano & Carandang 2013
7. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012
8. ***Hoya corazoniae*** Kloppenburg, Siar & Ferreras 2010
9. ***Hoya cupula*** Kloppenburg, Mendoza & Ferreras 2013
10. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
11. ***Hoya davidcummingii*** Kloppenburg 1995
12. ***Hoya espaldoniana*** Kloppenburg, Siar & Cajano 2014
13. ***Hoya estrellaensis*** T. Green & Kloppenburg 2012
14. ***Hoya foxii*** Kloppenburg 2014
15. ***Hoya heuschkeliana*** Kloppenburg 1989
16. ***Hoya heuschkeliana* subsp. *cajanoae*** K & S 2007
17. ***Hoya ignota*** Kloppenburg, Siar & Cajano 2013
18. ***Hoya irisae*** Ferreras, Kloppenburg & Tandang 2014
19. ***Hoya isabelaensis*** Kloppenburg, Siar & Ferreras 2011
20. ***Hoya juannguana*** Kloppenburg 2002
21. ***Hoya kanlaonensis*** Kloppenburg, Siar & Ferreras 2010
22. ***Hoya lagunaensis*** Kloppenburg 2014
23. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
24. ***Hoya lazeroi*** Kloppenburg & Siar 2008
25. ***Hoya linavergarae*** Kloppenburg & Siar 2006
26. ***Hoya litii*** Kloppenburg, Siar, & Cajano 2015
27. ***Hoya marvinii*** Kloppenburg, Mendoza & Ferreras 2013
28. ***Hoya memoria*** Kloppenburg 2004
29. *Hoya mindorensis* Schlechter 1906
30. ***Hoya myrmecopa* subsp. *kapatalanensis*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
31. *Hoya palawanica* Kloppenburg 1990
32. ***Hoya panchoi*** Kloppenburg 1988
33. ***Hoya persicina* subsp. *rosea*** Klopp., Guevarra, Mendoza & Ferreras 2013
34. ***Hoya pubicorolla*** Kloppenburg, Mendoza & Ferreras 2013
35. ***Hoya pubicorolla* subsp. *anthracina*** Klopp., Mendoza & Ferreras 2013



- 36. **Hoya ramosii** Kloppenburg & Siar 2007
- 34. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
- 35. **Hoya rizaliana** Kloppenburg 1991
- 36. **Hoya samarensis** Kloppenburg & Siar 2011
- 37. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
- 38. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
- 39. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

28. Leaf edge undulate / otherwise

- 1. **Hoya bicolor** Kloppenburg 2003
- 2. **Hoya linavergarae** Kloppenburg & Siar 2006
- 3. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
- 4. **Hoya samarensis** Kloppenburg & Siar 2011
- 5. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014



29. Leaf edge recurved / otherwise

- 1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
- 2. **Hoya amorosae** Green & Kloppenburg 2014
- 3. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
- 4. **Hoya burtoniae** Kloppenburg 1990
- 5. **Hoya cardiophylla** Merrill 1920
- 6. **Hoya crassicaulis** Elmer ex Kloppenburg 1995
- 7. **Hoya davidcummingii** Kloppenburg 1995
- 8. **Hoya davaoensis** Kloppenburg 2013
- 9. **Hoya diversifolia** Blume 1826
- 10. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
- 11. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
- 12. **Hoya loheri** Kloppenburg 1991
- 13. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
- 14. **Hoya monetteae** T. Green 2004
- 15. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
- 16. **Hoya pentaphlebia** Merrill 1918
- 17. **Hoya quinquinervia** Warburg 1904
- 18. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
- 19. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
- 20. **Hoya taytayensis** Kloppenburg & Siar 2013
- 21. **Hoya weebella** Kloppenburg 2005
- 22. **Hoya wibergiae** Kloppenburg 2001



30. Leaf edge dark colored / otherwise

1. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
2. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
3. **Hoya ramosii** Kloppenburg & Siar 2007
4. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
5. **Hoya wayetii** Kloppenburg 1993
6. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

31. Leaf apex acuminate / otherwise

1. **Hoya atimonanensis** Kloppenburg & Siar 2006
2. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya bandongii** Kloppenburg & Ferreras 2011
4. **Hoya benvergarae** Kloppenburg & Siar 2008
5. **Hoya blashernaeszii** Kloppenburg 1999
6. **Hoya brittonii** Kloppenburg 1992
7. **Hoya buotii** Kloppenburg 2002
8. *Hoya camphorifolia* Warburg 1904
9. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
10. *Hoya cardiophylla* Merrill 1920
11. *Hoya cembra* Kloppenburg 1990
12. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
13. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
14. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
15. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
16. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
17. **Hoya estrellaensis** T. Green & Kloppenburg 2012
18. **Hoya foxii** Kloppenburg 2014
19. **Hoya gelba** Klopp., Siar, Guevarra & Carandang 2013
20. **Hoya gigantanganensis** Kloppenburg 1992
21. *Hoya incrassata* Warburg 1904
22. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
23. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
24. **Hoya juannguoana** Kloppenburg 2002
25. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
26. **Hoya lagunaensis** Kloppenburg 2014
27. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
28. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
29. **Hoya linavergarae** Kloppenburg & Siar 2006
30. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
31. *Hoya mcgregorii* Warburg 1906
32. *Hoya mindorensis* Schlechter 1906
33. **Hoya mindorensis subsp. superba** Kloppenburg 2005
34. *Hoya minutiflora* Rodda & Simonsson 2010
35. **Hoya moninae** Kloppenburg & Cajano 2014
36. *Hoya multiflora* Blume 1823



37. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
38. *Hoya odorata* Schlechter 1906
39. *Hoya palawanica* Kloppenburg 1990
40. *Hoya pentaphlebia* Merrill 1918
41. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
42. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
43. *Hoya pubicalyx* Merrill 1918
44. **Hoya querinoensis** Kloppenburg & Siar 2007
45. *Hoya quinquinervia* Warburg 1904
46. **Hoya quisumbingii** Kloppenburg 1992
43. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
44. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
45. **Hoya soligamiana** Kloppenburg & Siar 2009
46. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
47. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
48. **Hoya blashernaeszii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
49. **Hoya wibergiae** Kloppenburg 2001

32. Leaf apex mucronate/apiculate or pandurate / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
3. **Hoya bicolor** Kloppenburg 2003
4. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
5. **Hoya concava** Klopp., Siar, Guevara & Carandang 2014
6. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
7. **Hoya davaoensis** Kloppenburg 2013
8. **Hoya ferrerasii** Kloppenburg & Siar 2010
9. **Hoya golamcoana** Kloppenburg 1991
10. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
11. *Hoya imperialis* Lindley 1846
12. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013



33. Leaf apex truncate to emarginate (retuse) / otherwise

34. Petiole grooved above / otherwise

1. *Hoya angustisepala* Burton 1987 syn. *H. coriacea* Blume
2. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
3. **Hoya davaoensis** Kloppenburg 2013
4. **Hoya foxii** Kloppenburg 2014

5. **Hoya gigantanganensis** Kloppenburg 1992
6. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
7. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
8. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
9. **Hoya juannguoana** Kloppenburg 2002
10. *Hoya obscura* Elmer ex C. M. Burton 1986
11. **Hoya pimenteliana** Kloppenburg 1999
12. **Hoya pseudoleytensis** Kloppenburg, Mendoza & Carandang 2013
13. **Hoya wibergiae** Kloppenburg 2001

35. Peduncles multiple (more than one) / otherwise

36. Peduncle none (sessile) or subsessile / otherwise

37. Peduncle 15 cm long or more / otherwise

1. **Hoya rosarioae** Kloppenburg & Siar 2013

38. Pedicel curved of varying lengths / otherwise

1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya anncajanoae** Kloppenburg & Siar 2008
3. **Hoya apoensis** Kloppenburg & Siar 2011
4. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
5. **Hoya benitotanii** Kloppenburg 2010
6. *Hoya bilobata* Schlechter 1906
7. **Hoya brittonii** Kloppenburg 1992
8. **Hoya burtoniae** Kloppenburg 1990
9. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
10. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
11. **Hoya davidcummingii** Kloppenburg 1995
12. *Hoya edanoi* Burton ex Kloppenburg 1991
13. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
14. **Hoya foxii** Kloppenburg 2014
15. **Hoya gigantanganensis** Kloppenburg 1992
16. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
17. *Hoya kentiana* Burton 1991
18. **Hoya krohniana** Kloppenburg & Siar 2009
19. **Hoya lagunaensis** Kloppenburg 2014
20. *Hoya leytensis* Elmer ex C. M. Burton 1988
21. **Hoya loheri** Kloppenburg 1991
22. **Hoya lucyae** Kloppenburg & Siar 2006
23. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
24. **Hoya memoria** Kloppenburg 2004
25. **Hoya moninae** Kloppenburg & Cajano 2014
26. *Hoya minutiflora* Rodda & Simonsson 2010





27. *Hoya obscura* Elmer ex C. M. Burton 1986
28. ***Hoya odetteae*** Kloppenburg 1998
29. ***Hoya pallilimba*** Kleijn & Donkelaar 1999
30. ***Hoya panayensis*** Kloppenburg & Siar 2009
31. ***Hoya panchoi*** Kloppenburg 1988
32. ***Hoya pseudoleytenis*** Kloppenburg, Mendoza & Carandang 2013
33. ***Hoya quisumbingii*** Kloppenburg 1992
34. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
35. ***Hoya rizaliana*** Kloppenburg 1991
36. ***Hoya sigellatis*** T. Green 2004
37. ***Hoya tangerina*** Kloppenburg, Mendoza & Ferreras 2014
38. ***Hoya tsangii*** Burton ex Kloppenburg 1988
39. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013
40. ***Hoya wayetii*** Kloppenburg 1993
41. ***Hoya weebella*** Kloppenburg 2005
42. ***Hoya williamoliveriana*** Kloppenburg, Cajano & Hadsall 2015

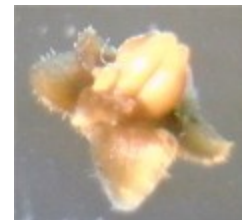
39. Pedicels with indumentum (hair cells) / otherwise

1. *Hoya alagensis* Kloppenburg 1990
2. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
3. ***Hoya brittonii*** Kloppenburg 1992
4. ***Hoya burtoniae*** Kloppenburg 1990
5. *Hoya densifolia* Turczaninow 1848
6. ***Hoya ferrerasii*** Kloppenburg & Siar 2010
7. ***Hoya golamcoana*** Kloppenburg 1991
8. *Hoya halconensis* Kloppenburg 1990
9. *Hoya imperialis* Lindley 1846
10. *Hoya pubicalyx* Merrill 1918
11. ***Hoya pubicorolla*** Kloppenburg, Mendoza & Ferreras 2013
12. ***Hoya santiagoi*** Kloppenburg & Siar 2011
13. ***Hoya skinneriana*** Kloppenburg & Wayman 2011
14. ***Hoya weebella*** Kloppenburg 2005



40. Sepals round or nearly so / otherwise

1. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
2. ***Hoya atimonanensis*** Kloppenburg & Siar 2006
3. ***Hoya aurantiaca*** Kloppenburg, Siar & Cajano 2009
4. ***Hoya aurea*** Kloppenburg, Mendoza & Carandang 2013
5. ***Hoya benitotanii*** Kloppenburg 2010
6. ***Hoya benvergarae*** Kloppenburg & Siar 2008
7. ***Hoya brittonii*** Kloppenburg 1992
8. ***Hoya buotii*** Kloppenburg 2002
9. ***Hoya carandangiana*** Kloppenburg, Siar, Cajano & Guevarra 2014
10. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012



11. *Hoya crassicaulis* Elmer Kloppenburg 1995
12. ***Hoya cupula*** Kloppenburg, Mendoza & Ferreras 2013
13. *Hoya darwinii* Loher 1910
14. ***Hoya davaoensis*** Kloppenburg 2013
15. ***Hoya davidcummingii*** Kloppenburg 1995
16. *Hoya diversifolia* Blume 1826
17. ***Hoya diversifolia* subsp. *el-nidicus*** Kloppenburg 1991
18. ***Hoya espadoniana*** Kloppenburg, Siar & Cajano 2014
19. ***Hoya juannguoana*** Kloppenburg 2002
20. ***Hoya lagunaensis*** Kloppenburg 2014
21. ***Hoya landgrantensis*** Kloppenburg, Siar & Cajano 2009
22. ***Hoya lazeroi*** Kloppenburg & Siar 2008
23. ***Hoya lucardenasiana*** Kloppenburg, Siar & Cajano 2009
24. ***Hoya marvinii*** Kloppenburg, Mendoza & Ferreras 2013
25. ***Hoya meliflua*** (Blanco) Merrill 1918
26. ***Hoya meliflua* subsp. *fraterna*** T. Green 1995
27. ***Hoya memoria*** Kloppenburg 2004
28. *Hoya mindorensis* Schlechter 1906
29. ***Hoya mindorensis* subsp. *superba*** Kloppenburg 2005
30. *Hoya multiflora* Blume 1823
31. *Hoya obscura* Elmer ex C. M. Burton 1986
32. ***Hoya persicina* subsp. *rosea*** Klopp., Guevarra, Mendoza & Ferreras 2013
33. ***Hoya polilloensis*** Kloppenburg, Mendoza & Ferreras 2013
34. ***Hoya ramosii*** Kloppenburg & Siar 2007
35. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
36. ***Hoya rizaliana*** Kloppenburg 1991
37. ***Hoya soligamiana*** Kloppenburg & Siar 2009
38. ***Hoya taytayensis*** Kloppenburg & Siar 2013
39. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013
40. ***Hoya wibergiae*** Kloppenburg 2001

41. Sepals linear / otherwise

1. ***Hoya albida*** Klopp., Siar, Cajano & Carandang 2013
2. ***Hoya amrita*** Kloppenburg, Siar & Ferreras 2011
3. *Hoya angustisepala* Burton 1987 Syn. *H. coriacea* Blume
4. ***Hoya aurigueana*** Kloppenburg, Siar, Cajano & Carandang 2013
5. ***Hoya bicknellii*** Kloppenburg 1999
6. ***Hoya blashernaezii* subsp. *valmayoriana*** Kloppenburg, Guevarra, & Carandang 2014
7. *Hoya cagayanensis* C. M. Burton 1987
8. ***Hoya coriacea* subsp. *philippinensis*** Kloppenburg, Siar & Ferreras 2013
9. *Hoya densifolia* Turczaninow 1848
10. ***Hoya eburnea*** Kloppenburg, Guevarra & Carandang 2013

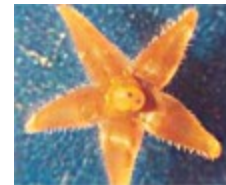




11. **Hoya gildingii** Kloppenburg 2002
12. *Hoya halconensis* Kloppenburg 1990
13. **Hoya heuschkeliana** Kloppenburg 1989
14. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
15. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
16. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
17. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
18. **Hoya linavergarae** Kloppenburg & Siar 2006
19. *Hoya paziae* Kloppenburg 1990
20. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
21. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
22. **Hoya platycaulis** Simonsson & Rodda 2009
23. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
24. **Hoya purificacioniae** Kloppenburg & Siar 2013
25. **Hoya querinoensis** Kloppenburg & Siar 2007
26. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
27. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
28. **Hoya weebella** Kloppenburg 2005

42. Sepals ciliate / otherwise

1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
2. *Hoya alagensis* Kloppenburg 1990
3. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
4. *Hoya angustisepala* Burton 1987 syn. *H. coriacea* Blume
5. **Hoya anncajanoae** Kloppenburg & Siar 2008
6. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
7. **Hoya bandongii** Kloppenburg & Ferreras 2011
8. **Hoya benitotanii** Kloppenburg 2010
9. **Hoya bicolor** Kloppenburg 2003
10. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
11. **Hoya brittonii** Kloppenburg 1992
12. **Hoya buotii** Kloppenburg 2002
13. **Hoya burtoniae** Kloppenburg 1990
14. *Hoya cagayanensis* C. M. Burton 1987
15. *Hoya cembra* Kloppenburg 1990
16. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
17. *Hoya crassicaulis* Elmer ex. Kloppenburg 1995
18. *Hoya darwinii* Loher 1910
19. *Hoya densifolia* Turczaninow 1848
20. *Hoya diversifolia* Blume 1826
21. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
22. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
23. **Hoya fitchii** Kloppenburg 2009
24. **Hoya gigantanganensis** *Kloppenburg 1992*
25. **Hoya golamcoana** Kloppenburg 1991



26. **Hoya greenii** Kloppenburg 1995
27. *Hoya halconensis* Kloppenburg 1990
28. *Hoya imperialis* Lindley 1846
29. *Hoya incrassata* Warburg 1904
30. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
31. *Hoya kentiana* Burton 1991
32. **Hoya lagunaensis** Kloppenburg 2014
33. **Hoya linavergarae** Kloppenburg & Siar 2006
34. **Hoya loyceandrewsiana** T. Green 1995
35. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
36. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
37. *Hoya mindorensis* Schlechter 1906
38. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
39. **Hoya mindorensis subsp. superba** Kloppenburg 2005
40. **Hoya monetteae** T. Green 2004
41. *Hoya multiflora* Blume 1823
42. *Hoya odorata* Schlechter 1906
43. *Hoya paziae* Kloppenburg 1990
44. **Hoya pimenteliana** Kloppenburg 1999
45. **Hoya platycaulis** Simonsson & Rodda 2009
46. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
47. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
48. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
49. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
50. **Hoya querinoensis** Kloppenburg & Siar 2007
51. *Hoya quinquinervia* Warburg 1904
52. **Hoya santiagoi** Kloppenburg & Siar 2011
53. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
54. **Hoya taytayensis** Kloppenburg & Siar 2013
55. **Hoya wayetii** Kloppenburg 1993
56. **Hoya weebella** Kloppenburg 2005
57. **Hoya wibergiae** Kloppenburg 2001
58. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

43. Sepals extend to corolla sinuses or beyond / otherwise

1. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
2. *Hoya cardiophylla* Merrill 1920
3. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
4. *Hoya multiflora* Blume 1823
5. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
6. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
7. **Hoya santiagoi** Kloppenburg & Siar 2011
8. **Hoya vicencioana** Kloppenburg, Siar, Cajano & Carandang 2013
9. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013



44. Sepals with ligulate ciliate extensions inside around ovaries / otherwise

1. *Hoya leytensis* Elmer ex C. M. Burton 1988

45. Sepals multiple, more than 5 / otherwise

45. Ovaries with hair cells / otherwise

46. Ovary apex modified (lip like) / otherwise (see additions near end)

1. ***Hoya bifunda* subsp. *integra*** Kloppenburg, Mendoza et al 2013
2. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013

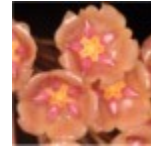
47. Corolla urceolate / otherwise

1. ***Hoya heuschkeliana*** Kloppenburg 1989
2. ***Hoya heuschkeliana* subsp. *cajanoae*** Kloppe. & Siar 2007
3. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014



48. Corolla campanulate / otherwise

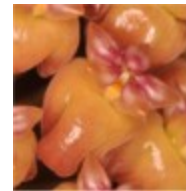
1. ***Hoya blashernaезii*** Kloppenburg 1999
2. *Hoya campanulata* Blume 1826
3. ***Hoya linavergarae*** Kloppenburg & Siar 2006
4. ***Hoya ramosii*** Kloppenburg & Siar 2007
5. ***Hoya blashernaезii* subsp. *siariae*** Kloppenburg 2002
6. ***Hoya tangerina*** Kloppenburg, Mendoza & Ferreras 2014



49. Corolla revolute / otherwise

1. ***Hoya acanthominima*** Kloppenburg, Mendoza & Ferreras 2013
2. ***Hoya acicularis*** T. Green 2002
3. ***Hoya amorosae*** Green & Kloppenburg 2014
4. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
5. ***Hoya apoensis*** Kloppenburg & Siar 2011
6. ***Hoya apoensis* subsp. *sagittaria*** Kloppenburg, Siar, & Ferreras 2013
7. ***Hoya aurea*** Kloppenburg, Mendoza & Carandang 2013
8. ***Hoya benitotanii*** Kloppenburg 2010
9. ***Hoya brevialata*** Kleijn & Donkelaar 1999
10. ***Hoya burtoniae*** Kloppenburg 1990
11. ***Hoya celsa*** Kloppenburg, Siar, Cajano & Carandang 2013
12. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012
13. ***Hoya cupula*** Kloppenburg, Mendoza & Ferreras 2013
14. ***Hoya davidcummingii*** Kloppenburg 1995

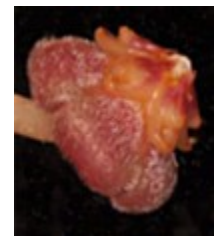
15. *Hoya edanoi* Burton ex Kloppenburg 1991
  16. ***Hoya espadoniana*** Kloppenburg, Siar & Cajano 2014
  17. ***Hoya gigantanganensis*** Kloppenburg 1992
  18. ***Hoya ilagiorum*** Kloppenburg, Siar & Cajano 2011
  19. *Hoya imbricata* Decaisne 1844
  20. ***Hoya kanlaonensis*** Kloppenburg, Siar & Ferreras 2010
  21. *Hoya kentiana* Burton 1991
  22. ***Hoya krohniana*** Kloppenburg & Siar 2009
  23. ***Hoya lagunaensis*** Kloppenburg 2014
  24. ***Hoya loheri*** Kloppenburg 1991
  25. ***Hoya lucardenasiana*** Kloppenburg, Siar & Cajano 2009
  26. ***Hoya lucyae*** Kloppenburg & Siar 2006
  27. ***Hoya marvinii*** Kloppenburg, Mendoza & Ferreras 2013
  28. ***Hoya memoria*** Kloppenburg 2004
  29. *Hoya minutiflora* Rodda & Simonsson 2010
  30. ***Hoya myrmecopa* subsp. *kapatalanensis*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
  31. ***Hoya nakarensis*** Kloppenburg, Mendoza & Ferreras 2013
  32. *Hoya obscura* Elmer ex C. M. Burton 1986
  33. ***Hoya odetteae*** Kloppenburg 1998
  34. ***Hoya panayensis*** Kloppenburg & Siar 2009
  35. ***Hoya panchoi*** Kloppenburg 1988
  36. ***Hoya pseudoleytensis*** Kloppenburg, Mendoza & Carandang 2013
  37. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014
  38. ***Hoya quisumbingii*** Kloppenburg 1992
  39. ***Hoya ralphdavisiana*** Kloppenburg, Mendoza, Guevarra & Carandang 2013
  40. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
  41. ***Hoya soligamiana*** Kloppenburg & Siar 2009
  42. ***Hoya tangerina*** Kloppenburg, Mendoza & Ferreras 2014
  43. ***Hoya tsangii*** C. M. Burton 1988
  44. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013
  45. ***Hoya wayetii*** Kloppenburg 1993
  46. ***Hoya williamoliveriana*** Kloppenburg, Cajano & Hadsall 2015
50. Corolla reflexed, recurved / otherwise
1. ***Hoya alwitriana*** Klopp., Siar, Guevarra & Carandang 2012
  2. ***Hoya amrita*** Kloppenburg, Siar & Ferreras 2011
  3. ***Hoya atimonanensis*** Kloppenburg & Siar 2006
  4. ***Hoya aurantiaca*** Kloppenburg, Siar & Cajano 2009
  5. ***Hoya aurigueana*** Kloppenburg, Siar, Cajano & Carandang 2013
  6. ***Hoya bandongii*** Kloppenburg & Ferreras 2011
  7. *Hoya benguetensis* Schlechter 1906
  8. ***Hoya benvergarae*** Kloppenburg & Siar 2008
  9. ***Hoya butleriana*** Kloppenburg, Siar, Guevarra & Carandang 2013
  10. ***Hoya carmelae*** Kloppenburg, Siar & Ferreras 2010



11. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
12. *Hoya cumingiana* Decaisne 1844
13. *Hoya darwinii* Loher 1910
14. *Hoya densifolia* Turczaninow 1848
15. **Hoya fitchii** Kloppenburg 2009
16. **Hoya foxii** Kloppenburg 2014
17. **Hoya golamcoana** Kloppenburg 1991
18. **Hoya greenii** Kloppenburg 1995
19. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
20. *Hoya imbricata* Decaisne 1844
21. *Hoya incrassata* Warburg 1904
22. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
23. **Hoya juannguoana** Kloppenburg 2002
24. **Hoya lagunaensis** Kloppenburg 2014
25. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
26. *Hoya leytensis* Elmer ex C. M. Burton 1988
27. **Hoya meridithii** T. Green 1989
28. *Hoya mindorensis* Schlechter 1906
29. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
30. **Hoya mindorensis subsp. superba** Kloppenburg 2005
31. *Hoya multiflora* Blume 1823
32. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
33. **Hoya pimenteliana** Kloppenburg 1999
34. **Hoya platycaulis** Simonsson & Rodda 2009
35. **Hoya rizaliana** Kloppenburg 1991
36. **Hoya soligamiana** Kloppenburg & Siar 2006
37. **Hoya surigaoensis** Kloppenburg, Siar & Nyhuus 2010
38. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
39. **Hoya wibergiae** Kloppenburg 2001

51. Corolla rotate / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
3. **Hoya benstoneana** Klopp., Siar, Guevarra & Carandang 2013
4. **Hoya bicknellii** Kloppenburg 1999
5. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
6. **Hoya bicolor** Kloppenburg 2003
7. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
8. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
9. *Hoya bilobata* Schlechter 1906
10. *Hoya bordenii* Schlechter 1906
11. **Hoya buotii** Kloppenburg 2002
12. *Hoya cagayanensis* C. M. Burton 1987
13. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014



14. **Hoya concava** Klopp., Siar, Guevara & Carandang 2014
15. *Hoya crassicaulis* Kloppenburg 1995
16. *Hoya cardiophylla* Merrill 1920
17. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
18. *Hoya cembra* Kloppenburg 1990
19. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
20. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
21. *Hoya diversifolia* Blume 1826
22. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
23. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
24. **Hoya estrellaensis** T. Green & Kloppenburg 2012
25. **Hoya ferrerassii** Kloppenburg & Siar 2010
26. *Hoya fischeriana* Warburg 1904
27. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
28. *Hoya halconensis* Kloppenburg 1990
29. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
30. *Hoya kenejiana* Schlechter 1913
31. **Hoya lagunaensis** Kloppenburg 2014
32. **Hoya lazeroi** Kloppenburg & Siar 2008
33. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
34. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
35. *Hoya mcgregorii* Schlechter 1906
36. *Hoya meliflua* (Blanco) Merrill 1918
37. **Hoya meliflua subsp. fraterna** T. Green 1995
38. *Hoya merrillii* Schlechter 1904
39. **Hoya monetteae** T. Green 2004
40. *Hoya odorata* Schlechter 1906
41. *Hoya palawanica* Kloppenburg 1990
42. *Hoya paziae* Kloppenburg 1990
43. *Hoya pentaphlebia* Merrill 1918
44. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
45. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
46. *Hoya pubicalyx* Merrill 1918
47. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
48. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
49. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
50. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
51. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
52. **Hoya skinneriana** Kloppenburg & Wayman 2011
53. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
54. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
55. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

52. Corolla lobes cupped forward claw like / otherwise





1. *Hoya imperialis* Lindley 1846
2. ***Hoya litii*** Kloppenburg, Siar, & Cajano 2015
3. ***Hoya mindorensis subsp. mendozae*** Kloppenburg & Ferreras 2014
4. ***Hoya taytayensis*** Kloppenburg & Siar 2013

53. Corolla inside glabrous (excluding the throat) or papillate / otherwise

1. *Hoya alagensis* Kloppenburg 1990
2. *Hoya bilobata* Schlechter 1906
3. *Hoya camphorifolia* Warburg 1904
4. ***Hoya carmelae*** Kloppenburg, Siar & Ferreras 2010
5. *Hoya cumingiana* Decaisne 1844
6. *Hoya darwinii* Loher 1910
7. ***Hoya estrellaensis*** T. Green & Kloppenburg 2012
8. *Hoya fischeriana* Warburg 1904
9. *Hoya halconensis* Kloppenburg 1990
10. *Hoya incrassata* Warburg 1904
11. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
12. *Hoya mcgregorii* Schlechter 1906
13. *Hoya odorata* Schlechter 1906
14. *Hoya palawanica* Kloppenburg 1990
15. *Hoya pentaphlebia* Merrill 1918
16. *Hoya pubicalyx* Merrill 1918



54. Corolla both surfaces glabrous / otherwise

1. ***Hoya albida*** Kloppenburg, Siar, Cajano & Carandang 2013
2. ***Hoya carmelae*** Kloppenburg, Siar & Ferreras 2010
3. ***Hoya davaoensis*** Kloppenburg 2013
4. *Hoya densifolia* Turczaninow 1848
5. ***Hoya estrellaensis*** T. Green & Kloppenburg 2012
6. ***Hoya ferrerasii*** Kloppenburg & Siar 2010
7. *Hoya fischeriana* Warburg 1904
8. *Hoya halconensis* Kloppenburg 1990
9. ***Hoya heuschkeliana subsp. marionii*** Kloppenburg & Ferreras 2014
10. *Hoya incrassata* Warburg 1904
11. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
12. *Hoya palawanica* Kloppenburg 1990
13. ***Hoya perangensis*** Kloppenburg, Siar & Cajano 2013

55. Corolla both surfaces pubescent or puberulent (with indumentum) / otherwise

1. ***Hoya pimenteliana*** Kloppenburg 1999

56. Corolla upper surface pubescent margined, inward less or glabrous / otherwise



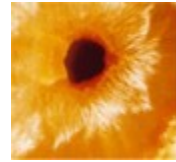


1. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
2. **Hoya platycaulis** Simonsson & Rodda 2009

57. Corolla inner surface edged with long stellate hairs / otherwise

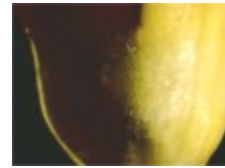
58. Corolla inner surface at the base with long slender wooly hair cells / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013



59. Corolla with hirsute (stellate) ring under corona / otherwise

1. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
2. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014



60. Corolla with apex villous / otherwise

61. Corolla white; corona red/purple

1. **Hoya weebella** Kloppenburg 2005



62. Corona sunken into corolla at base / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya amorosae** Green & Kloppenburg 2014
3. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
4. **Hoya apoensis** Kloppenburg & Siar 2011
5. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
6. **Hoya bicknellii** Kloppenburg 1999
7. **Hoya brittonii** Kloppenburg 1992
8. **Hoya buotii** Kloppenburg 2002
9. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
10. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
11. **Hoya davidcummingii** Kloppenburg 1995
12. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
13. **Hoya krohniana** Kloppenburg & Siar 2009
14. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
15. *Hoya meliflua* (Blanco) Merrill 1918
16. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
17. **Hoya monetteae** T. Green 2004
18. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
19. *Hoya pentaphlebia* Merrill 1918

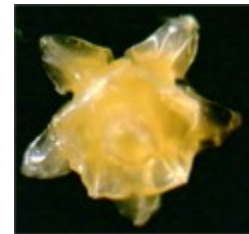
20. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014  
 21. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013  
 22. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
63. Corolla distinctly veined / otherwise
64. Corona lobes expanded to form a flat plate (dorsal surface) / otherwise  
 1. **Hoya lagunaensis** Kloppenburg 2014
65. Corolla lobe apex very long and narrow / otherwise
66. Corolla with central pentagonal thickened ridge / otherwise  
 1. **Hoya bicknellii** Kloppenburg 1999
67. Corona outer lobe bilobed (Acanthostemma) / otherwise
1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
  2. **Hoya amorosae** Green & Kloppenburg 2014
  3. **Hoya anncajanoae** Kloppenburg & Siar 2008
  4. **Hoya apoensis** Kloppenburg 2011
  5. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar & Ferreras 2013
  6. **Hoya benitotanii** Kloppenburg 2010
  7. **Hoya bicknellii** Kloppenburg 1999
  8. *Hoya bilobata* Schlechter 1906
  9. **Hoya burtoniae** Kloppenburg 1990
  10. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
  11. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
  12. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
  13. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
  14. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
  15. **Hoya davidcummingii** Kloppenburg 1995
  16. *Hoya edanoi* Burton ex Kloppenburg 1991
  17. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
  18. **Hoya gigantanganensis** Kloppenburg 1992
  19. **Hoya heuschkeliana** Kloppenburg 1989
  20. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg & Siar 2007
  21. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
  22. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
  23. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
  24. *Hoya kentiana* Burton 1991
  25. **Hoya lagunaensis** Kloppenburg 2014
  26. *Hoya leytensis* Elmer ex C. M. Burton 1988
  27. **Hoya loheri** Kloppenburg 1991



28. **Hoya lucyae** Kloppenburg & Siar 2006
29. **Hoya memoria** Kloppenburg 2004
30. *Hoya minutiflora* Rodda & Simonsson 2010
31. **Hoya odetteae** Kloppenburg 1998
32. **Hoya panayensis** Kloppenburg & Siar 2009
33. **Hoya panchoi** Kloppenburg 1988
34. **Hoya pseudoleyensis** Kloppenburg, Mendoza & Carandang 2013
35. **Hoya quisumbingii** Kloppenburg 1992
36. **Hoya ramosii** Kloppenburg & Siar 2007
37. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
38. **Hoya rizaliana** Kloppenburg 1991
39. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
40. **Hoya tsangii** C. M. Burton 1988
41. **Hoya wayetii** Kloppenburg 1993
42. **Hoya weebella** Kloppenburg 2005
43. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

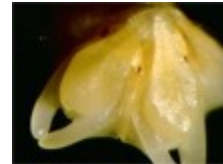
68. Corona with skirt below (Section Otostemma) / otherwise

1. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
2. **Hoya brittonii** Kloppenburg 1992
3. **Hoya krohniana** Kloppenburg & Siar 2009
4. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
5. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
6. *Hoya obscura* Elmer ex C. M. Burton 1986
7. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013



69. Corona with bilobes and a skirt, characters of two sections / otherwise

1. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014



70. Corona bilobed apices folded inward / otherwise

1. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014

71. Corona outer lobe vertical, channel exposed all the way / otherwise

1. **Hoya concava** Klopp., Siar, Guevara & Carandang 2014
2. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
3. **Hoya linavergarae** Kloppenburg & Siar 2006
4. **Hoya unruhiana** Klopp., Siar, Mendoza, Cajano et al 2013



72. Corona outer lobe raised / otherwise

1. *Hoya alagensis* Kloppenburg 1990

2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya alwitriana** Klopp., Siar, Guevarra & Carandang 2012
4. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
5. **Hoya bandongii** Kloppenburg & Ferreras 2011
6. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
7. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
8. **Hoya blashernaезii** Kloppenburg 1999
9. **Hoya buotii** Kloppenburg 2002
10. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
11. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
12. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
13. **Hoya ferrerasii** Kloppenburg & Siar 2010
14. **Hoya foxii** Kloppenburg 2014
15. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
16. **Hoya greenii** Kloppenburg 1995
17. *Hoya halconensis* Kloppenburg 1990
18. *Hoya imperialis* Lindley 1846
19. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
20. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
21. *Hoya mcgregorii* Schlechter 1906
22. *Hoya merrillii* Schlechter 1904
23. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
24. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
25. **Hoya pimenteliana** Kloppenburg 1999
26. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
27. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
28. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
29. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
30. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
31. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
32. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
33. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, Cajano, et al 2013



73. Coronal outer lobe horizontal / otherwise

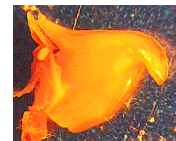
1. **Hoya aurigueana** Klopp., Siar, Cajano & Carandang 2013
2. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
3. **Hoya benvergarae** Kloppenburg & Siar 2008
4. **Hoya bifunda subsp. integra** Kloppenburg, Siar et al 2013
5. **Hoya butleriana** Klopp., Siar, Guevarra & Carandang 2013
6. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
7. *Hoya densifolia* Turczaninow 1848
8. *Hoya diversifolia* Blume 1826
9. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
10. **Hoya estrellaensis** T. Green & Kloppenburg 2012



11. **Hoya juannguoana** Kloppenburg 2002
12. *Hoya kenejiana* Schlechter 1913
13. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
14. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
15. *Hoya mindorensis* Schlechter 1906
16. **Hoya moninae** Kloppenburg & Cajano 2014
17. **Hoya monetteae** T. Green 2004
18. *Hoya odorata* Schlechter 1906
19. *Hoya pentaphlebia* Merrill 1918
20. **Hoya skinneriana** Kloppenburg & Wayman 2011
21. **Hoya soligamiana** Kloppenburg & Siar 2009

74. Coronal outer lobe apex turned down (depressed) even slightly / otherwise

1. *Hoya alagensis* Kloppenburg 1990
2. **Hoya alwitriana** Klopp., Siar, Guevarra & Carandang 2012
3. **Hoya benstoneana** Klopp., Siar, Guevarra & Carandang 2013
4. *Hoya bordenii* Schlechter 1906
5. **Hoya buotii** Kloppenburg 2002
6. **Hoya butleriana** Kloppenburg, Siar, Guevara & Carandang 2013
7. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
8. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
9. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
10. **Hoya foxii** Kloppenburg 2014
11. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
12. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
13. **Hoya mindorensis subsp. superba** Kloppenburg 2005
14. *Hoya multiflora* Blume 1823
15. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
16. *Hoya odorata* Schlechter 1906
17. *Hoya palawanica* Kloppenburg 1990
18. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
19. **Hoya pimenteliana** Kloppenburg 1999
20. **Hoya platycaulis** Simonsson & Rodda 2009
21. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
22. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
23. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002
24. **Hoya surigaensis** Kloppenburg, Siar & Nyhuus 2010



75. Coronal outer lobe apex recurved (revolute) or turned downward / otherwise

1. *Hoya alagensis* Kloppenburg 1990
2. *Hoya angustisepala* Burton 1987 syn. *H. coriacea* Blume
3. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
4. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014



5. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
6. **Hoya ferrerasii** Kloppenburg & Siar 2010
7. **Hoya kastbergii** Kloppenburg 2003
8. **Hoya pimenteliana** Kloppenburg 1999
9. **Hoya querinoensis** Kloppenburg & Siar 2007

76. Coronal outer lobe apex acute or attenuate / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
3. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
4. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
5. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
6. **Hoya bicolor** Kloppenburg 2003
7. **Hoya blashernaeszii** Kloppenburg 1999
8. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002
9. **Hoya blashernaeszii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
10. *Hoya bordenii* Schlechter 1906
11. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
13. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
14. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
15. **Hoya estrellaensis** T. Green & Kloppenburg 2012
16. *Hoya fischeriana* Warburg 1904
17. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
18. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
19. *Hoya incrassata* Warburg 1904
20. **Hoya lagunaensis** Kloppenburg 2014
21. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
22. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
23. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
24. **Hoya marizae** Kloppenburg & Mendoza 2013
25. *Hoya merrillii* Schlechter 1904
26. **Hoya monetteae** T. Green 2004
27. *Hoya multiflora* Blume 1823
28. *Hoya palawanica* Kloppenburg 1990
29. *Hoya pentaphlebia* Merrill 1918
30. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
31. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
32. *Hoya pubicalyx* Merrill 1918
33. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
34. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
35. *Hoya quinquinervia* Warburg 1904





36. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
37. **Hoya samarensis** Kloppenburg & Siar 2011
38. **Hoya santiagoi** Kloppenburg & Siar 2011
39. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
40. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
41. **Hoya wibergiae** Kloppenburg 2001

77. Coronal outer lobe apex rounded, sub-obtuse, obtuse / otherwise



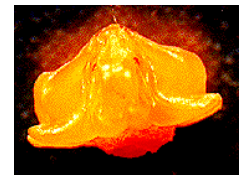
1. *Hoya alagensis* Kloppenburg 1990
2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya andalensis** Kloppenburg 2005
5. **Hoya anncajanoae** Kloppenburg & Siar 2008
6. **Hoya apoensis** Kloppenburg & Siar 2011
7. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
8. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
9. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
10. **Hoya bandongii** Kloppenburg & Ferreras 2011
11. *Hoya benguetensis* Schlechter 1906
12. **Hoya benvergarae** Kloppenburg & Siar 2008
13. *Hoya betchei* (Schlechter) Whistler 1908
14. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
15. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
16. **Hoya breviaolata** Kleijn & Donkelaar 1999
17. *Hoya bilobata* Schlechter 1906
18. *Hoya cagayanensis* C. M. Burton 1987
19. *Hoya camphorifolia* Warburg 1904
20. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
21. *Hoya cardiophylla* Merrill 1920
22. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
23. *Hoya cembra* Kloppenburg 1990
24. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
25. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
26. *Hoya cumingiana* Decaisne 1844
27. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
28. *Hoya darwinii* Loher 1910
29. **Hoya davaoensis** Kloppenburg 2013
30. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
31. *Hoya edanoi* Burton ex Kloppenburg 1991
32. **Hoya ferrerasii** Kloppenburg & Siar 2010
33. **Hoya fitchii** Kloppenburg 2009
34. **Hoya gigantanganensis** Kloppenburg 1992
35. **Hoya gildingii** Kloppenburg 2002
36. **Hoya golamcoana** Kloppenburg 1991
37. **Hoya greenii** Kloppenburg 1995



38. *Hoya halconensis* Kloppenburg 1990
39. ***Hoya heuschkeliana*** Kloppenburg 1989
40. ***Hoya heuschkeliana* subsp. *cajanoae*** Kloppenburg & Siar 2007
41. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014
42. *Hoya imbricata* Decaisne 1844
43. *Hoya imperialis* Lindley 1846
44. ***Hoya juannguoana*** Kloppenburg 2002
45. ***Hoya kanlaonensis*** Kloppenburg, Siar & Ferreras 2010
46. *Hoya kentiana* Burton 1991
47. ***Hoya krohniana*** Kloppenburg & Siar 2009
48. ***Hoya linavergarae*** Kloppenburg & Siar 2006
49. ***Hoya lucardenasiana*** Kloppenburg, Siar & Cajano 2009
50. ***Hoya marananiae*** Kloppenburg, Siar, Cajano & Carandang 2015
51. ***Hoya marvinii*** Kloppenburg, Mendoza & Ferreras 2013
52. *Hoya meliflua* (Blanco) Merrill 1918
53. ***Hoya meridithii*** T. Green 1989
54. ***Hoya myrmecopa* subsp. *kapatalanensis*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
55. ***Hoya nakarensis*** Kloppenburg, Mendoza & Ferreras 2013
56. *Hoya obscura* Elmer ex C. M. Burton 1986
57. *Hoya odorata* Schlechter 1906
58. ***Hoya panayensis*** Kloppenburg & Siar 2009
59. ***Hoya panchoi*** Kloppenburg 1988
60. *Hoya paziae* Kloppenburg 1990
61. ***Hoya pimenteliana*** Kloppenburg 1999
62. ***Hoya platycaulis*** Simonsson & Rodda 2009
63. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
64. ***Hoya skinneriana*** Kloppenburg & Wayman 2011
65. ***Hoya soligamiana*** Kloppenburg & Siar 2009
66. ***Hoya taytayensis*** Kloppenburg & Siar 2013
67. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013
68. ***Hoya unruhiana*** Kloppenburg, Siar, Mendoza, Cajano et al 2013
69. ***Hoya willimasiana*** Kloppenburg, Siar, Mendoza, et al 2013

78. Corona outer lobe apex truncate / otherwise

1. ***Hoya meliflua* subsp. *fraterna*** T. Green 1995
2. ***Hoya odetteae*** Kloppenburg 1998



79. Corona outer lobe apex emarginate / otherwise

1. ***Hoya benvergarae*** Kloppenburg & Siar 2008
2. ***Hoya bicolensis*** Kloppenburg, Siar & Cajano 2013
3. *Hoya cagayanensis* C. M. Burton 1987
4. *Hoya cumingiana* Decaisne 1844
5. *Hoya densifolia* Turczaninow 1848



6. *Hoya diversifolia* Blume 1826
7. ***Hoya golamcoana*** Kloppenburg 1991
8. ***Hoya greenii*** Kloppenburg 1995
9. *Hoya imbricata* Decaisne 1844
10. *Hoya imperialis* Lindley 1846
11. ***Hoya lagunaensis*** Kloppenburg 2014
12. ***Hoya lazeroi*** Kloppenburg & Siar 2008
13. *Hoya mcgregorii* Schlechter 1906
14. *Hoya merrillii* Schlechter 1904
15. ***Hoya monetteae*** T. Green 2004
16. ***Hoya nakarensis*** Kloppenburg, Mendoza & Ferreras 2013
17. *Hoya odorata* Schlechter 1906
18. *Hoya palawanica* Kloppenburg 1990
19. *Hoya paziae* Kloppenburg 1990
20. *Hoya pentaphlebia* Merrill 1918
21. ***Hoya persicina* subsp. *rosea*** Klopp., Guevarra, Mendoza & Ferreras 2013
22. ***Hoya pimenteliana*** Kloppenburg 1999
23. ***Hoya platycaulis*** Simonsson & Rodda 2009
24. ***Hoya polilloensis*** Kloppenburg, Mendoza & Ferreras 2013
25. *Hoya pubicalyx* Merrill 1918
26. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014
27. ***Hoya pubicorolla*** Kloppenburg, Mendoza & Ferreras 2013
28. ***Hoya santiaqui* subsp. *mandozaii*** Kloppenburg 2013
29. ***Hoya skinneriana*** Kloppenburg & Wayman 2011

80. Coronal outer lobe apex turned inward (inflexed) / otherwise

1. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014



81. Coronal outer lobe apex with two flaps turned inward (inflexed) / otherwise

1. ***Hoya carmelae*** Kloppenburg, Siar & Ferreras 2010



82. Coronal dorsal of lobe rounded (humped) convex / otherwise

1. ***Hoya alwitriana*** Klopp., Siar, Guevarra & Carandang 2012
2. ***Hoya amorosae*** Green & Kloppenburg 2014
3. *Hoya darwinii* Loher 1910
4. ***Hoya coriacea* subsp. *philippinensis*** Kloppenburg, Siar & Ferreras 2013
5. ***Hoya espadoniana*** Kloppenburg, Siar & Cajano 2014
6. ***Hoya gildingii*** Kloppenburg 2002
7. ***Hoya greenii*** Kloppenburg 1995
8. ***Hoya heuschkeliana* subsp. *cajanoae*** Kloppenburg & Siar 2007
9. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014
10. ***Hoya ignota*** Kloppenburg, Siar & Cajano 2013



11. *Hoya imbricata* Decaisne 1844
12. *Hoya incrassata* Warburg 1904
13. ***Hoya lagunaensis*** Kloppenburg 2014
14. *Hoya leytensis* Elmer ex C. M. Burton 1988
15. ***Hoya monetteae*** T. Green 2004
16. ***Hoya platycaulis*** Simonsson & Rodda 2009
17. ***Hoya pseudoleytensis*** Kloppenburg, Mendoza & Carandang 2013
18. *Hoya pubicalyx* Merrill 1918
19. ***Hoya pubicorolla subsp. anthracina*** Klopp., Mendoza & Ferreras 2013
20. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
21. ***Hoya skinneriana*** Kloppenburg & Wayman 2011
22. ***Hoya tangerina*** Kloppenburg, Mendoza & Ferreras 2014
23. ***Hoya blashernaezii subsp. valmayoriana*** Kloppenburg, Guevarra, & Carandang 2014

83. Coronal dorsal horizontal / otherwise

1. ***Hoya aurigueana*** Kloppenburg, Siar, Cajano & Carandang 2013
2. ***Hoya bebsguevarrae*** Kloppenburg & Carandang 2013
3. *Hoya benguetensis* Schlechter 1906
4. ***Hoya benvergarae*** Kloppenburg & Siar 2008
5. ***Hoya bicolor*** Kloppenburg 2003
6. ***Hoya bifunda subsp. integra*** Kloppenburg, Siar et 2013
7. *Hoya bordenii* Schlechter 1906
8. ***Hoya butleriana*** Kloppenburg, Siar, Guevarra & Carandang 2013
9. *Hoya cardiophylla* Merrill 1920
10. ***Hoya carmelae*** Kloppenburg, Siar & Ferreras 2010
11. ***Hoya concava*** Kloppenburg, Siar, Guevara & Carandang 2014
12. ***Hoya davaoensis*** Kloppenburg 2013
13. ***Hoya estrellaensis*** T. Green & Kloppenburg 2012
14. ***Hoya isabelaensis*** Kloppenburg, Siar & Ferreras 2011
15. ***Hoya juannguoana*** Kloppenburg 2002
16. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
17. ***Hoya landgrantensis*** Kloppenburg, Siar & Cajano 2009
18. ***Hoya linapauliana*** Kloppenburg, Siar et al 2013
19. ***Hoya linapauliana subsp. verida*** Kloppenburg, Siar, et al 2013
20. *Hoya pentaphlebia* Merrill 1918
21. ***Hoya samarensis*** Kloppenburg & Siar 2011
22. ***Hoya soligamiana*** Kloppenburg & Siar 2009



84. Coronal dorsal concave / otherwise

1. ***Hoya albida*** Kloppenburg, Siar, Cajano & Carandang 2013
2. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
3. ***Hoya atimonanensis*** Kloppenburg & Siar 2006
4. ***Hoya aurantiaca*** Kloppenburg, Siar & Cajano 2009



5. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
6. **Hoya aurigueana** Klopp., Siar, Cajano & Carandang 2013
7. **Hoya bandongii** Kloppenburg & Ferreras 2011
8. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
9. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
10. **Hoya benvergarae** Kloppenburg & Siar 2008
11. **Hoya bicolor** Kloppenburg 2003
12. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
13. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
14. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
15. *Hoya cagayanensis* C. M. Burton 1987
16. *Hoya camphorifolia* Warburg 1904
17. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
18. *Hoya cardiophylla* Merrill 1920
19. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
20. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
21. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
22. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
23. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
24. **Hoya davaoensis** Kloppenburg 2013
25. *Hoya diversifolia* Blume 1826
26. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
27. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
28. **Hoya estrellaensis** T. Green & Kloppenburg 2012
29. **Hoya fitchii** Kloppenburg 2009
30. **Hoya foxii** Kloppenburg 2014
31. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
32. **Hoya golamcoana** Kloppenburg 1991
33. *Hoya halconensis* Kloppenburg 1990
34. **Hoya heuschkeliana** Kloppenburg 1989
35. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
36. *Hoya imperialis* Lindley 1846
37. *Hoya incrassata* Warburg 1904
38. **Hoya krohniana** Kloppenburg & Siar 2009
39. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
40. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
41. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
42. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
43. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
44. *Hoya merrillii* Schlechter 1904
45. **Hoya moninae** Kloppenburg & Cajano 2014
46. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
47. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
48. **Hoya pallilimba** Kleijn & Donkelaar 1999
49. *Hoya pentaphlebia* Merrill 1918

50. **Hoya persicina** Kloppenburg, Siar, Mendoza, et al 2013
51. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
52. **Hoya pimenteliana** Kloppenburg 1999
53. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
54. **Hoya querinoensis** Kloppenburg & Siar 2007
55. *Hoya quinquinervia* Warburg 1904
56. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
57. **Hoya samarensis** Kloppenburg & Siar 2011
58. **Hoya soligamiana** Kloppenburg & Siar 2009
59. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
60. **Hoya taytayensis** Kloppenburg & Siar 2013
61. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
62. **Hoya vicencioana** Kloppenburg, Siar, Cajano et al 2013
63. **Hoya wayetii** Kloppenburg 1993
64. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
65. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

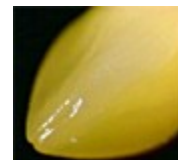
85. Corona dorsal edge sharp/otherwise (rounded)

1. **Hoya albida** Klopp., Siar, Cajano & Carandang 2013
2. **Hoya aurantiaca** Kloppenburg & Siar 2009
3. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
4. **Hoya bicolor** Kloppenburg 2003
5. **Hoya carmelae** Kloppenburg, Siar, & Ferreras 2010
6. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
7. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
8. **Hoya estrellaensis** T. Green & Kloppenburg 2012
9. **Hoya incrassata** Warburg 1904
10. **Hoya krohniana** Kloppenburg & Siar 2009
11. **Hoya lagunaensis** Kloppenburg 2014
12. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
13. *Hoya mcgregorii* Schlechter 1906
14. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
15. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
16. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
17. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013



86. Corona outer lobe dorsal channeled / otherwise

1. **Hoya platycaulis** Simonsson & Rodda 2009



87. Corona lobe dorsal keeled / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
3. **Hoya anncajanoae** Kloppenburg & Siar 2008



4. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
5. **Hoya aurigueana** Klopp., Siar, Cajano & Carandang 2013
6. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
7. *Hoya benguuetensis* Schlechter 1906
8. **Hoya benvergarae** Kloppenburg & Siar 2008
9. *Hoya bilobata* Schlechter 1906
10. *Hoya bordenii* Schlechter 1906
11. **Hoya buotii** Kloppenburg 2002
12. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
13. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
14. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
15. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
16. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
17. *Hoya edanoi* Burton ex Kloppenburg 1991
18. **Hoya fitchii** Kloppenburg 2009
19. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
20. *Hoya halconensis* Kloppenburg 1990
21. **Hoya heuschkeliana** Kloppenburg 1989
22. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
23. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
24. **Hoya lazeroi** Kloppenburg & Siar 2008
25. *Hoya leytensis* Elmer ex C. M. Burton 1988
26. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
27. *Hoya mindorensis* Schlechter 1906
28. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
29. **Hoya mindorensis subsp. superba** Kloppenburg & Siar 2005
30. **Hoya moninae** Kloppenburg & Cajano 2014
31. **Hoya monetteae** T. Green 2004
32. *Hoya palawanica* Kloppenburg 1990
33. **Hoya panchoi** Kloppenburg 1988
34. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
35. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
36. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
37. **Hoya platycaulis** Simonsson & Rodda 2009
38. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
39. *Hoya pubicalyx* Merrill 1918
40. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
41. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
42. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
43. **Hoya querinoensis** Kloppenburg & Siar 2007
44. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
45. **Hoya samarensis** Kloppenburg & Siar 2011
46. **Hoya santiagoi** Kloppenburg & Siar 2011
47. **Hoya santiagoi subsp. madozaii** Kloppenburg 2013
48. **Hoya soligamiana** Kloppenburg & Siar 2009
49. **Hoya taytayensis** Kloppenburg & Siar 2013

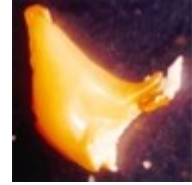


50. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
51. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
52. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
53. **Hoya vicencioana** Kloppenburg, Siar, Cajano et al 2013
54. **Hoya weebella** Kloppenburg 2005
55. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

88. Corona dorsal with two keels or more / otherwise

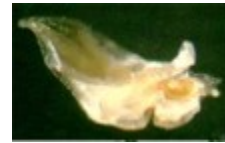
89. Coronal dorsal sway (U) shaped / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya greenii** Kloppenburg 1995
3. *Hoya imperialis* Lindley 1846
4. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013



90. Corona dorsal shallow cupped (boat shape, saddle like) / otherwise

1. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
2. *Hoya camphorifolia* Warburg 1904
3. *Hoya cagayanensis* C. M. Burton 1987
4. *Hoya cembra* Kloppenburg 1990
5. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
6. **Hoya davidcummingii** Kloppenburg 1995
7. **Hoya krohniana** Kloppenburg & Siar 2009
8. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
9. **Hoya moninae** Kloppenburg & Cajano 2014
10. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
11. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
13. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
14. **Hoya taytayensis** Kloppenburg & Siar 2013



91. Corona dorsal with umbo forward / otherwise

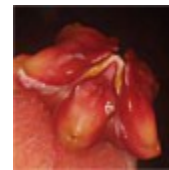
1. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
2. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
3. **Hoya bifunda** Kloppenburg, Siar, et al 2013
4. *Hoya bordenii* Schlechter 1906
5. **Hoya butleriana** Klopp., Siar, Guevarra & Carandang 2013
6. *Hoya cagayanensis* C. M. Burton 1987
7. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
8. *Hoya cembra* Kloppenburg 1990
9. **Hoya davaoensis** Kloppenburg 2013
2. *Hoya diversifolia* Blume 1826



3. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
4. **Hoya estrellaensis** T. Green & Kloppenburg 2012
5. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
6. *Hoya imbricata* Decaisne 1844
7. *Hoya incrassata* Warburg 1904
8. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
9. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
10. **Hoya memoria** Kloppenburg 2004
11. *Hoya mcgregorii* Schlechter 1906
12. **Hoya moninae** Kloppenburg & Cajano 2014
13. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
14. *Hoya obscure* (Elmer ex Merrill) Burton 1986
15. *Hoya paziae* Kloppenburg 1990
16. **Hoya querinoensis** Kloppenburg & Siar 2007
17. **Hoya surigaoensis** Kloppenburg, Siar & Nyhuus 2010
18. **Hoya wayetii** Kloppenburg 1993

92. Corona inner lobe with broad shoulders out from apex / otherwise

1. **Hoya penta** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
3. **Hoya wayetii** Kloppenburg 1993



93. Coronal outer lobe meets or exceeds corolla sinus / otherwise

1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya aurantiaca** Kloppenburg, Siar Cajano 2009
3. **Hoya auriueana** Kloppenburg, Siar, Cajano & Carandang 2013
4. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
5. *Hoya benguetensis* Schlechter 1906
6. **Hoya benvergarae** Kloppenburg & Siar 2008
7. **Hoya bicknellii** Kloppenburg 1999
8. **Hoya bicolor** Kloppenburg, Siar, & Cajano 2013
9. **Hoya bicolor** Kloppenburg 2003
10. *Hoya bordenii* Schlechter 1906
11. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. *Hoya cagayanensis* C. M. Burton 1987
13. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
14. *Hoya cardiophylla* Merrill 1920
15. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
16. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
17. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
18. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
19. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
20. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
21. **Hoya espadoniana** Kloppenburg, Siar & Cajano 2014

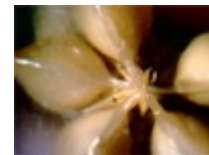


22. **Hoya ferrerasii** Kloppenburg & Siar 2010
23. **Hoya fitchii** Kloppenburg 2009
24. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
25. **Hoya golamcoana** Kloppenburg 1991
26. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
27. **Hoya lagunaensis** Kloppenburg 2014
28. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
29. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
30. **Hoya lazeroi** Kloppenburg & Siar 2008
31. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
32. **Hoya meridithii** T. Green 1989
33. *Hoya merrillii* Schlechter 1904
34. *Hoya mindorensis* Schlechter 1906
35. **Hoya mindorensis subsp. superba** Kloppenburg 2005
36. **Hoya monetteae** T. Green 2004
37. *Hoya multiflora* Blume 1823
38. **Hoya panayensis** Kloppenburg & Siar 2009
39. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
40. **Hoya pimenteliana** Kloppenburg 1999
41. **Hoya querinoensis** Kloppenburg & Siar 2007
42. **Hoya ramosii** Kloppenburg & Siar 2007
43. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
44. **Hoya samarensis** Kloppenburg 2011
45. **Hoya santiagoi** Kloppenburg & Siar 2011
46. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
47. **Hoya soligamiana** Kloppenburg & Siar 2009
48. **Hoya tsangii** C. M. Burton 1988
49. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
50. **Hoya wibergiae** Kloppenburg 2001
51. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
52. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

94. Corona lobes with side shelves extending to inner lobe apex / otherwise

95. Corona inner lobe terete / otherwise

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. **Hoya apoensis** Kloppenburg & Siar 2011
3. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
4. *Hoya cembra* Kloppenburg 1990
5. *Hoya darwinii* Loher 1910
6. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
7. **Hoya golamcoana** Kloppenburg 1991
8. *Hoya imperialis* Lindley 1846



9. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
10. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
11. *Hoya meliflua* (Blanco) Merrill 1918
12. **Hoya meliflua subsp. fraterna** T. Green 1995
13. *Hoya multiflora* Blume 1823
14. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
15. **Hoya pimenteliana** Kloppenburg 1999
16. **Hoya platycaulis** Simonsson & Rodda 2009
17. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
18. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
19. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
20. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
21. **Hoya surigaoensis** Kloppenburg, Siar & Nyhuus 2010
22. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014

96. Corona inner lobe spatulate / otherwise

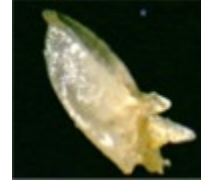
1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. *Hoya alagensis* Kloppenburg 1990
3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya andalensis** Kloppenburg 2005
5. **Hoya anncajanoae** Kloppenburg & Siar 2008
6. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
7. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
8. **Hoya benitotanii** Kloppenburg 2010
9. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
10. **Hoya bicknellii** Kloppenburg 1999
11. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
12. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
13. *Hoya bilobata* Schlechter 1906
14. **Hoya breviaolata** Kleijn & Donkelaar 2001
15. **Hoya brittonii** Kloppenburg 1992
16. **Hoya buotii** Kloppenburg 2002
17. **Hoya burtoniae** Kloppenburg 1990
18. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
19. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
20. *Hoya caudata* Hooker f. 1883
21. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
22. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
23. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
24. *Hoya cumingiana* Decaisne 1844
25. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
26. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
27. **Hoya davidcummingii** Kloppenburg 1995
28. *Hoya densifolia* Turczaninow 1848



29. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
30. *Hoya edanoi* Burton ex Kloppenburg 1991
31. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
32. **Hoya gigantanganensis** Kloppenburg 1992
33. **Hoya greenii** Kloppenburg 1995
34. *Hoya halconensis* Kloppenburg 1990
35. **Hoya heuschkeliana** Kloppenburg 1989
36. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg & Siar 2007
37. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
38. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
39. *Hoya imbricata* Decaisne 1844
40. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
41. **Hoya kanlaoensis** Kloppenburg, Siar & Ferreras 2010
42. **Hoya krohniana** Kloppenburg 2009
43. **Hoya lazeroi** Kloppenburg & Siar 2008
44. *Hoya leytensis* Elmer ex C. M. Burton 1988
45. **Hoya linavergarae** Kloppenburg & Siar 2006
46. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
47. **Hoya loheri** Kloppenburg 1991
48. **Hoya lucyae** Kloppenburg 2006
49. **Hoya memoria** Kloppenburg 2004
50. **Hoya moninae** Kloppenburg & Cajano 2014
51. **Hoya monetteae** T. Green 2004
52. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
53. *Hoya obscura* Elmer ex C. M. Burton 1986
54. **Hoya odetteae** Kloppenburg 1998
55. *Hoya odorata* Schlechter 1906
56. **Hoya panayensis** Kloppenburg & Siar 2009
57. **Hoya panchoi** Kloppenburg 1988
58. *Hoya paziae* Kloppenburg 1990
59. **Hoya pseudoleytensis** Kloppenburg, Mendoza & Carandang 2013
60. **Hoya querinoensis** Kloppenburg & Siar 2007
61. **Hoya quisumbingii** Kloppenburg 1992
62. **Hoya ramosii** Kloppenburg & Siar 2007
63. **Hoya rizaliana** Kloppenburg 1991
64. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
65. **Hoya santiagoi** Kloppenburg & Siar 2011
66. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
67. **Hoya skinneriana** Kloppenburg & Wayman 2011
68. **Hoya taytayensis** Kloppenburg & Siar 2013
69. **Hoya tsangii** C. M. Burton 1988
70. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
71. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
72. **Hoya wayetii** Kloppenburg 1993
73. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
74. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

97. Corona inner lobe short/long dentate / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya alwitriana** Klopp., Siar, Guevarra & Carandang 2012
3. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
4. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
5. **Hoya bandongii** Kloppenburg & Ferreras 2011
6. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
7. *Hoya benguensis* Schlechter 1906
8. **Hoya benvergarae** Kloppenburg & Siar 2008
9. **Hoya bicolor** Kloppenburg, Siar & Cajano 2013
10. **Hoya bicolor** Kloppenburg 2003
11. **Hoya blashernaeszii** Kloppenburg 1999
12. *Hoya bordenii* Schlechter 1906
13. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
14. *Hoya cagayanensis* C. M. Burton 1987
15. *Hoya camphorifolia* Warburg 1904
16. *Hoya cardiophylla* Merrill 1920
17. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
18. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
19. **Hoya davaoensis** Kloppenburg 2013
20. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
21. **Hoya estrellaensis** T. Green & Kloppenburg 2012
22. **Hoya ferrerasii** Kloppenburg & Siar 2010
23. *Hoya fischeriana* Warburg 1904
24. **Hoya fitchii** Kloppenburg 2009
25. **Hoya foxii** Kloppenburg 2014
26. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
27. **Hoya lagunaensis** Kloppenburg 2014
28. **Hoya lambioae** Kloppenburg, Cajano, Carandang & Guevarra 2013
29. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
30. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
31. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
32. *Hoya mcgregorii* Schlechter 1906
33. **Hoya meliflua subsp. fraterna** T. Green 1995
34. *Hoya merrillii* Schlechter 1904
35. *Hoya mindorensis* Schlechter 1906
36. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
37. **Hoya mindorensis subsp. superba** Kloppenburg 2005
38. *Hoya palawanica* Kloppenburg 1990
39. *Hoya pentaphlebia* Merrill 1918
40. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
41. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013





42. **Hoya samarensis** Kloppenburg & Siar 2011
43. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
44. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
45. **Hoya soligamiana** Kloppenburg & Siar 2009
46. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
47. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, et al 2014
48. **Hoya wibergiae** Kloppenburg 2001

98. Corona inner lobe erect with short spur / otherwise

1. **Hoya foxii** Kloppenburg 2014
2. *Hoya imperialis* Lindley 1846



99. Corona inner lobe keeled

1. **Hoya albida** Klopp., Siar, Cajano & Carandang 2013
2. **Hoya aurigueana** Klopp., Siar, Cajano & Carandang 2013
3. **Hoya bandongii** Kloppenburg & Ferreras 2011
4. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
5. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
6. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
7. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
8. **Hoya estrellaensis** T. Green & Kloppenburg 2012
9. *Hoya halconensis* Kloppenburg 1990
10. **Hoya lagunaensis** Kloppenburg 2014
11. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
12. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
13. **Hoya panchoi** Kloppenburg 1988
14. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
15. **Hoya querinoensis** Kloppenburg & Siar 2007
16. **Hoya skinneriana** Kloppenburg & Wayman 2011
17. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
10. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013



100. Corona inner lobe dorsal with crest (clavate) / otherwise

1. **Hoya gildingii** Kloppenburg 2002
2. **Hoya lazeroi** Kloppenburg & Siar 2008



101. Corona inner lobe clavate below apex / otherwise

1. *Hoya imperialis* Lindley 1846



102. Corona with inner lobe with two segments (straight or hooked)  
Sect. Ancistrostemma / otherwise

103. Corona inner lobe dorsal with two projections pointing centrally along sides / otherwise

104. Corona inner lobe blunt (square or rectangular end) / otherwise

1. **Hoya blashernaezii subsp. valmayoriana** Klopp., Guevarra, & Carandang 2014

105. Corona inner end blunt no extension / otherwise

1. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014

106. Coronal ventral outer lobe with two round spurs pointing apically / otherwise

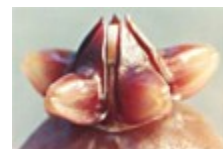
107. Corona ventral with two flat pads on channel of each lobe / otherwise

108. Corona inner lobe reaches the center / otherwise

1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
3. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
4. **Hoya brittonii** Kloppenburg 1992
5. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
6. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
7. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
8. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
9. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
10. **Hoya darwinii** Loher 1910
11. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
12. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
13. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
14. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
15. **Hoya loheri** Kloppenburg 1991
16. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
17. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
18. **Hoya panayensis** Kloppenburg & Siar 2009
19. **Hoya pseudoleytenis** Kloppenburg, Mendoza & Carandang 2013
20. **Hoya rizaliana** Kloppenburg 1991
21. **Hoya santiagoi** Kloppenburg & Siar 2011
22. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
23. **Hoya soligamiana** Kloppenburg & Siar 2009
24. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013



109. Corona inner lobe above outer lobe / otherwise



1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya amorosae** Green & Kloppenburg 2014
3. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
4. **Hoya anncajanoae** Kloppenburg & Siar 2008
5. **Hoya apoensis** Kloppenburg & Siar 2011
6. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
7. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
8. **Hoya benitotanii** Kloppenburg 2010
9. **Hoya bicknellii** Kloppenburg 1999
10. *Hoya bilobata* Schlechter 1906
11. **Hoya breviaolata** Kleijn & Donkelaar 1999
12. **Hoya brittonii** Kloppenburg 1992
13. **Hoya burtoniae** Kloppenburg 1990
14. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
15. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
16. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
17. *Hoya cumingiana* Decaisne 1844
18. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
19. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
20. **Hoya davidcummingii** Kloppenburg 1995
21. *Hoya edanoi* Burton ex Kloppenburg 1991
22. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
23. *Hoya fischeriana* Warburg 1904
24. **Hoya gigantanganensis** Kloppenburg 1992
25. **Hoya golamcoana** Kloppenburg 1991
26. **Hoya heuschkeliana** Kloppenburg 1989
27. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg & Siar 2007
28. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
29. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
30. *Hoya imbricata* Decaisne 1844
31. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
32. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
33. *Hoya kentiana* Burton 1991
34. **Hoya lagunaensis** Kloppenburg 2014
35. *Hoya leytensis* Elmer ex C. M. Burton 1988
36. **Hoya loheri** Kloppenburg 1991
37. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
38. **Hoya lucyae** Kloppenburg & Siar 2006
39. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
40. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
41. **Hoya meliflua subsp. fraterna** T. Green 1995
42. **Hoya memoria** Kloppenburg 2004
43. *Hoya multiflora* Blume 1823
44. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013

45. *Hoya obscura* Elmer ex C. M. Burton 1986
46. ***Hoya odetteae*** Kloppenburg 1998
47. *Hoya odorata* Schlechter 1906
48. *Hoya palawanica* Kloppenburg 1990
49. ***Hoya panayensis*** Kloppenburg & Siar 2009
50. ***Hoya panchoi*** Kloppenburg 1988
51. *Hoya paziaae* Kloppenburg 1990
52. *Hoya pubicalyx* Merrill 1918
53. ***Hoya pubicorolla*** Kloppenburg, Mendoza & Ferreras 2013
54. *Hoya quinquinervia* Warburg 1904
55. ***Hoya quisumbingii*** Kloppenburg 1992
56. ***Hoya ramosii*** Kloppenburg & Siar 2007
57. ***Hoya rima*** Kloppenburg, Mendoza & Ferreras 2014
58. ***Hoya rizaliana*** Kloppenburg 1991
59. ***Hoya santiagoi*** Kloppenburg & Siar 2011
60. ***Hoya santiagoi* subsp. *mandozaii*** Kloppenburg 2013
61. ***Hoya skinneriana*** Kloppenburg & Wayman 2011
62. ***Hoya tangerina*** Kloppenburg, Mendoza & Ferreras 2014
63. ***Hoya tsangii*** C. M. Burton 1988
64. ***Hoya unica*** Kloppenburg, Mendoza & Ferreras 2013
65. ***Hoya wayetii*** Kloppenburg 1993
66. ***Hoya williamoliveriana*** Kloppenburg, Cajano & Hadsall 2015

110. Corona inner lobe not free of anther / otherwise

1. *Hoya diversifolia* Blume 1826

111. Corona inner lobe channeled below

1. *Hoya diversifolia* Blume 1826



112. Coronal inner lobe hollow involuted long awn shaped acuminate upright apex / otherwise

113. Corona with annulus below / otherwise

114. Corona ventral channel with sides turned outward about half way in toward column, forming a V shape in the center / otherwise

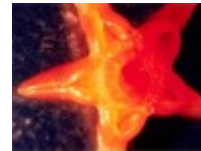
1. ***Hoya celsa*** Klopp., Siar, Guevarra, Cajano & Carandang 2013
2. ***Hoya celata*** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
3. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012
4. ***Hoya eburnea*** Kloppenburg, Guevarra & Carandang 2013
5. ***Hoya foxii*** Kloppenburg 2014
6. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013



7. *Hoya mindorensis* Schlechter 1906
8. ***Hoya mindorensis* subsp. *superba*** Kloppenburg 2005
9. ***Hoya monetteae*** T. Green 2004
10. ***Hoya persicina* subsp. *rosea*** Klopp., Guevarra, Mendoza & Ferreras 2013
11. ***Hoya salmonea*** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
12. ***Hoya samarensis*** Kloppenburg & Siar 2011
13. ***Hoya santiagoi*** Kloppenburg & Siar 2011
14. ***Hoya santiagoi* subsp. *mandozai*** Kloppenburg 2013
15. ***Hoya unruhiana*** Kloppenburg, Siar, Mendoza, Cajano et al 2013
16. ***Hoya blashernaeszii* subsp. *valmayoriana*** Klopp., Guevarra & Carandang 2014
17. ***Hoya vicencioana*** Kloppenburg, Siar, Cajano et al 2013

115. Corona ventral hirsute around central column / otherwise

1. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
2. ***Hoya apoensis* subsp. *sagittaria*** Kloppenburg & Siar 2013
3. ***Hoya aurantiaca*** Kloppenburg & Siar 2009
4. ***Hoya buotii*** Kloppenburg 2002
5. ***Hoya butleriana*** Kloppenburg, Siar, Guevarra & Carandang 2013
6. ***Hoya celata*** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
7. ***Hoya celsa*** Kloppenburg, Siar, Cajano & Carandang 2013
8. *Hoya darwinii* Loher 1910
9. ***Hoya diversifolia* subsp. *el-nidicus*** Kloppenburg 1991
10. *Hoya imperialis* Lindley 1846
11. *Hoya mindorensis* Schlechter 1906
12. ***Hoya mindorensis* subsp. *superba*** Kloppenburg 2005



116. Corona ventral with swollen protrusions at column base pointing outward many are unique / otherwise

1. ***Hoya acanthominima*** Kloppenburg, Mendoza & Ferreras 2013
2. ***Hoya amrita*** Kloppenburg, Siar & Ferreras 2011
3. ***Hoya apoensis*** Kloppenburg & Siar 2011
4. ***Hoya benitotanii*** Kloppenburg 2010
5. ***Hoya benstoneana*** Kloppenburg, Siar, Guevarra & Carandang 2013
6. ***Hoya benvergarae*** Kloppenburg & Siar 2008
7. ***Hoya bicknellii*** Kloppenburg 1999
8. ***Hoya bicolor*** Kloppenburg 2003
9. ***Hoya bicolor*** Kloppenburg 2003
10. ***Hoya blashernaeszii*** Kloppenburg 1999
11. ***Hoya brittonii*** Kloppenburg 1992
12. ***Hoya burtoniae*** Kloppenburg 1990
13. ***Hoya carmelae*** Kloppenburg, Siar, & Ferreras 2010
14. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012
15. *Hoya diversifolia* Blume 1826



16. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
17. **Hoya espadoniana** Kloppenburg, Siar & Cajano 2014
18. **Hoya ferrerasii** Kloppenburg & Siar 2010
19. **Hoya fitchii** Kloppenburg 2009
20. **Hoya gigantanganensis** Kloppenburg 1992
21. **Hoya greenii** Kloppenburg 1995
22. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2010
23. **Hoya juannguoana** Kloppenburg 2002
24. **Hoya krohniana** Kloppenburg & Siar 2009
25. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
26. **Hoya lazeroi** Kloppenburg & Siar 2008
27. *Hoya leytensis* Elmer ex C. M. Burton 1988
28. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
29. **Hoya memoria** Kloppenburg 2004
30. **Hoya moninae** Kloppenburg & Cajano 2014
31. **Hoya monetteae** T. Green 2004
32. **Hoya odetteae** Kloppenburg 1998
33. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
34. **Hoya pimenteliana** Kloppenburg 1999
35. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
36. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
37. **Hoya quisumbingii** Kloppenburg 1992
38. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
39. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
40. **Hoya santiagoi** Kloppenburg & Siar 2011
41. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
42. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
43. *Hoya tsangii* C. M. Burton 1988
44. **Hoya wayetii** Kloppenburg 1993
45. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

117. Corona ventral punctate or granulate on surface around central column / otherwise

1. *Hoya cardiophylla* Merrill 1920
2. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
2. **Hoya monetteae** T. Green 2004
3. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
4. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
5. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
6. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013



118. Corona ventral lobes closely appressed to the column / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013



2. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
4. **Hoya lazeroi** Kloppenburg & Siar 2008
5. *Hoya merrillii* Schlechter 1904
6. **Hoya aurantiaca** Kloppenburg & Siar 2009
7. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
8. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
9. **Hoya bifunda ssp. integra** Kloppenburg, Siar, Mendoza, et al 2013
10. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
11. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
12. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
13. *Hoya fischeriana* Warburg 1904
14. **Hoya heuschkeliana** Kloppenburg 1989
15. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg, Siar & Cajano 2007
16. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
17. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
18. *Hoya imbricata* Decaisne 1844
19. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
20. **Hoya matavanuensis** Kloppenburg & Siar 2011
21. **Hoya odetteae** Kloppenburg 1998
22. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
23. **Hoya wibergiae** Kloppenburg 2001



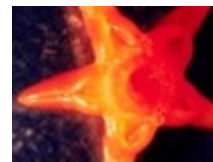
119. Corona ventral with pentagonal rolled area in from the channels (pre skirt like) / otherwise

1. **Hoya bicknellii** Kloppenburg 1999
2. **Hoya gildingii** Kloppenburg 2002
3. *Hoya imperialis* Lindley 1846
4. **Hoya tsangii** C. M. Burton 1988



120. Coronal lobes not sulcate, surfaces waxy smooth / otherwise

1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya amorosae** Green & Kloppenburg 2014
3. **Hoya concava** Kloppen., Siar, Guevara & Carandang 2014
4. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
5. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
6. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
7. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
8. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
9. **Hoya mindorensis subsp. superba** Kloppenburg 2005
10. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014



121. Coronal lobes nearly vertical (upright) / otherwise

1. **Hoya irisa**e Ferreras, Kloppenburg & Tandang 2014
2. **Hoya linavergarae** Kloppenburg & Siar 2006
3. *Hoya minutiflora* Rodda & Simonsson 2010



122. *Gynostegia pubescent* / otherwise

123. Anthers exceed inner lobe (center exposed) / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya amorosae** Green & Kloppenburg 2014
3. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
4. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
5. **Hoya bandongii** Kloppenburg & Ferreras 2011
6. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
7. **Hoya benitotanii** Kloppenburg 2010
8. **Hoya bicolor** Kloppenburg 2003
9. *Hoya bilobata* Schlechter 1906
10. **Hoya blashernaезii** Kloppenburg 1999
11. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
12. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
13. **Hoya breviaalata** Kleijn & Donkelaar 1999
14. **Hoya buotii** Kloppenburg 2002
15. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
16. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
17. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
18. *Hoya cumingiana* Decaisne 1844
19. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
20. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
21. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
22. **Hoya estrellaensis** T. Green & Kloppenburg 2012
23. **Hoya fitchii** Kloppenburg 2009
24. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
25. *Hoya halconensis* Kloppenburg 1990
26. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
27. **Hoya juannguoana** Kloppenburg 2002
28. **Hoya krohniana** Kloppenburg & Siar 1009
29. **Hoya lagunaensis** Kloppenburg 2014
30. **Hoya lambioae** Kloppenburg, Cajano, Carandang & Guevarra 2013
31. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
32. **Hoya lazeroi** Kloppenburg & Siar 2008
33. *Hoya leytensis* Elmer ex C. M. Burton 1988
34. **Hoya lucyae** Kloppenburg & Siar 2006
35. *Hoya meliflua* (Blanco) Merrill 1918
36. **Hoya meliflua subsp. fraterna** T. Green 1995



37. **Hoya monetteae** T. Green 2004
38. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
39. *Hoya obscura* Elmer ex C. M. Burton 1986
40. *Hoya odorata* Schlechter 1906
41. **Hoya panchoi** Kloppenburg 1088
42. *Hoya pentaphlebia* Merrill 1918
43. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
44. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
45. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
46. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
47. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
48. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
49. **Hoya purificacioniae** Kloppenburg & Siar 2013
50. **Hoya querinoensis** Kloppenburg & Siar 2007
51. **Hoya ramosii** Kloppenburg & Siar 2007
52. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
53. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
54. **Hoya samarensis** Kloppenburg & Siar 2011
55. **Hoya skinneriana** Kloppenburg & Wayman 2011
56. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014

124. Anthers, inner lobe exceeds (center covered) / otherwise

1. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
2. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
3. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
4. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
5. **Hoya linavergarae** Kloppenburg & Siar 2006
6. **Hoya panayensis** Kloppenburg & Siar 2009



125. Anthers exposed but corona inner lobe is higher, exceeds (overtops) / otherwise

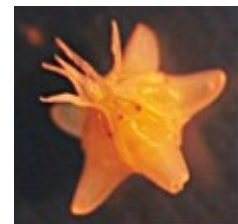
1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. *Hoya alagensis* Kloppenburg 1990
3. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
4. *Hoya benguetensis* Schlechter 1906
5. **Hoya benvergarae** Kloppenburg & Siar 2008
6. *Hoya betchei* (Schlechter) Whistler 1908
7. **Hoya bicknellii** Kloppenburg 1999
8. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
9. **Hoya bifunda subsp. integra** Kloppenburg & Siar 2013
10. *Hoya bordenii* Schlechter 1906
11. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. *Hoya cardiophylla* Merrill 1920
13. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012



14. **Hoya davaoensis** Kloppenburg 2013
15. **Hoya davidcummingii** Kloppenburg 1995
16. *Hoya densifolia* Turczaninow 1848
17. *Hoya diversifolia* Blume 1826
18. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
19. *Hoya edanoi* Burton ex Kloppenburg 1991
20. **Hoya foxii** Kloppenburg 2014
21. **Hoya gigantanganensis** Kloppenburg 1992
22. **Hoya golamcoana** Kloppenburg 1991
23. **Hoya heuschkeliana** Kloppenburg 1989
24. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg & Siar 2007
25. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
26. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
27. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
28. **Hoya marizae** Kloppenburg & Mendoza 2013
29. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
30. **Hoya memoria** Kloppenburg 2004
31. **Hoya moninae** Kloppenburg & Cajano 2014
32. *Hoya multiflora* Blume 1823
33. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
34. *Hoya paziae* Kloppenburg 1990
35. **Hoya platycaulis** Simonsson & Rodda 2009
36. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
37. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
38. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
39. **Hoya wayetii** Kloppenburg 1993
40. **Hoya wibergiae** Kloppenburg 2001
41. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
42. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

126. Anthers very long greatly exceeding the coronal inner lobe / otherwise

1. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
2. *Hoya imbricata* Decaisne 1844
3. *Hoya imbricata* forma basisubcordata Koorders 1919
4. **Hoya lucyae** Kloppenburg & Siar 2006
5. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
6. **Hoya santiagoi** Kloppenburg & Siar 2011



127. Anthers creped / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013



3. **Hoya golamcoana** Kloppenburg 1991
4. **Hoya greenii** Kloppenburg 1995
5. *Hoya mindorensis* Schlechter 1906
6. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
7. **Hoya mindorensis subsp. superba** Kloppenburg 2005
8. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014

128. Anther wings outer apex square extended / otherwise

1. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya bandongii** Kloppenburg & Ferreras 2011
3. *Hoya benguetensis* Schlechter 1906
4. **Hoya benvergarae** Kloppenburg & Siar 2008
5. *Hoya bordenii* Schlechter 1906
6. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
7. **Hoya lazeroi** Kloppenburg & Siar 2008
8. **Hoya linavergarae** Kloppenburg & Siar 2006
9. **Hoya loyceandrewsiana** T. Green 1995
10. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002
11. **Hoya soligamiana** Kloppenburg & Siar 2009



129. Anther wings with 2 apices U shaped apex / otherwise

1. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
2. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013

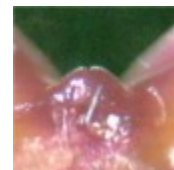
130. Anther wing apices thick sided 3 apices / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. *Hoya cardiophylla* Merrill 1920
3. *Hoya edanoi* Burton ex Kloppenburg 1991
4. **Hoya ferrerasii** Kloppenburg & Siar 2010
5. *Hoya imperialis* Lindley 1846
6. **Hoya juanguoana** Kloppenburg 2002
7. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
8. *Hoya paziae* Kloppenburg 1990
9. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
10. **Hoya ramosii** Kloppenburg & Siar 2007
11. **Hoya surigaoensis** Kloppenburg, Siar & Nyhuus 2010



131. Anther wing outer apex thick sides end rounded / otherwise

1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013



3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya andalensis** Kloppenburg 2005
5. **Hoya apoensis** Kloppenburg & Siar 2011
6. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
7. **Hoya bicolor** Kloppenburg 2003
8. **Hoya bifunda subsp. integra** Kloppenburg, Mendoza, et al 2013
9. **Hoya blashernaeszii** Kloppenburg 1999
10. **Hoya brittonii** Kloppenburg 1992
11. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
13. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
14. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
15. *Hoya darwinii* Loher 1910
16. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
17. **Hoya estrellaensis** T. Green & Kloppenburg 2012
18. **Hoya fitchii** Kloppenburg 2009
19. **Hoya foxii** Kloppenburg 2014
20. **Hoya gildingii** Kloppenburg 2002
21. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
22. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
23. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
24. **Hoya lagunaensis** Kloppenburg 2014
25. **Hoya lazeroi** Kloppenburg & Siar 2008
26. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
27. **Hoya memoria** Kloppenburg 2004
28. **Hoya moninae** Kloppenburg & Cajano 2014
29. **Hoya monetteae** T. Green 2004
30. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
31. *Hoya odorata* Schlechter 1906
32. **Hoya panchoi** Kloppenburg 1988
33. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
34. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
35. **Hoya pimenteliana** Kloppenburg 1999
36. **Hoya pseudoleytsensis** Kloppenburg, Mendoza & Carandang 2013
37. **Hoya quisumbingii** Kloppenburg 1992
38. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
39. **Hoya rizaliana** Kloppenburg 1991
40. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
41. **Hoya sigillatis** T. Green 2004
42. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
43. **Hoya vicicioana** Kloppenburg, Siar, Cajano & Carandang 2013
44. **Hoya wibergiae** Kloppenburg 2001
45. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
46. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015



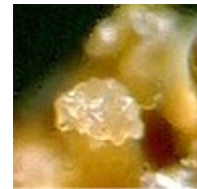
132. Anther wing apex acute, extended / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. **Hoya anncajanoae** Kloppenburg & Siar 2008
3. **Hoya bicknellii** Kloppenburg 1999
4. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
5. **Hoya carandangiana** Klopp., Siar, Cajano & Guevarra 2014
6. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
7. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
8. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
9. **Hoya gildingii** Kloppenburg 2002
10. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
11. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya platycaulis** Simonsson & Rodda 2009
13. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
14. **Hoya querinoensis** Kloppenburg & Siar 2007
15. **Hoya santiagoi** Kloppenburg & Siar 2011
16. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014



133. Style capitate or ornate / otherwise

1. **Hoya andalensis** Kloppenburg 2005
2. **Hoya anncajanoae** Kloppenburg & Siar 2008
3. *Hoya benguetensis* Schlechter 1906
4. *Hoya cumingiana* Decaisne 1844
5. *Hoya elliptica* Hooker f. 1883
6. **Hoya foxii** Kloppenburg 2014
7. **Hoya heuschkeliana subsp. cajanoae** Kloppenburg & Siar 2007
8. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009
9. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
10. *Hoya odorata* Schlechter 1906
11. **Hoya pallilimba** Kleijn & Donkelaar 1999
12. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
13. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
14. **Hoya skinneriana** Kloppenburg & Wayman 2011
15. **Hoya weebella** Kloppenburg 2005



134. Style cone shaped / otherwise

1. *Hoya meliflua* (Blanco) Merrill 1918
2. *Hoya merrillii* Schlechter 1904
3. *Hoya multiflora* Blume 1823
4. *Hoya obscura* Elmer ex C. M. Burton 1986
5. **Hoya wayetii** Kloppenburg 1993



135. Flower clusters globose or semi-globose / otherwise

1. **Hoya albida** Klopp., Siar, Cajano & Carandang 2013
2. **Hoya bandongii** Kloppenburg & Ferreras 2011
3. **Hoya bifunda** Kloppenburg, Siar, et al 2013
4. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
5. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
6. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
7. *Hoya cardiophylla* Merrill 1920
8. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
9. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
10. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
11. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
12. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
13. **Hoya lambioae** Kloppenburg, Cajano Guevarra & Carandang 2013
14. **Hoya loyceandrewsiana** T. Green 1995
15. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
16. *Hoya mindorensis* Schlechter 1906
17. **Hoya mindorensis subsp. superba** Kloppenburg 2005
18. **Hoya platycaulis** Simonsson & Rodda 2009
19. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
16. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
17. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, et al 2014
18. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
19. **Hoya vicencioana** Kloppenburg, Siar, Cajano et al 2013



136. Flower cluster of 1-5 flowers, usually / otherwise

137. Flower cluster of up to 6 flowers, usually / otherwise

1. **Hoya weebella** Kloppenburg 2005

138. Flower cluster of up to 10 flowers, usually / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
3. **Hoya heuschkeliana** Kloppenburg 1989
4. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
5. *Hoya imperialis* Lindley 1846
6. **Hoya odetteae** Kloppenburg 1998
7. *Hoya paziaae* Kloppenburg 1990

139. Flowers cluster of from 10-14 flowers usually / otherwise

1. **Hoya atimonanensis** Kloppenburg & Siar 2006
2. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
3. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
4. **Hoya bandongii** Kloppenburg & Ferreras 2011
5. **Hoya benvergarae** Kloppenburg & Siar 2008
6. **Hoya bicoloris** Kloppenburg, Siar & Cajano 2013
7. *Hoya bordenii* Schlechter 1906
8. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
9. **Hoya davidcummingii** Kloppenburg 1995
10. *Hoya densifolia* Turczaninow 1848
11. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
12. **Hoya krohniana** Kloppenburg & Siar 2009
13. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
14. **Hoya marizae** Kloppenburg & Mendoza 2013
15. **Hoya mindorensis subsp. superba** Kloppenburg 2005
16. **Hoya panchoi** Kloppenburg 1988
17. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
18. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
19. **Hoya platycaulis** Simonsson & Rodda 2009
20. **Hoya pseudoleytenis** Kloppenburg, Mendoza & Carandang 2013
21. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
22. **Hoya soligamiana** Kloppenburg, Siar & Cajano 2009
23. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
24. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

140. Flower cluster with up to 19 flowers per cluster usually / otherwise

1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya acicularis** T. Green & Kloppenburg 2000
3. **Hoya andalensis** Kloppenburg 2005
4. **Hoya apoensis** Kloppenburg & Siar 2011
5. **Hoya benitotanii** Kloppenburg 2010
6. **Hoya burtoniae** Kloppenburg 1990
7. *Hoya cagayanensis* C. M. Burton 1987
8. *Hoya cardiophylla* Merrill 1920
9. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
10. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
11. *Hoya cumingiana* Decaisne 1844
12. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
13. *Hoya darwinii* Loher 1910
14. *Hoya diversifolia* Blume 1826
15. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
16. **Hoya ferrerasii** Kloppenburg & Siar 2010
17. **Hoya gildingii** Kloppenburg 2002
18. **Hoya golamcoana** Kloppenburg 1991

19. *Hoya kentiana* Burton 1991
20. ***Hoya lucardenasiana*** Kloppenburg, Siar & Cajano 2009
21. *Hoya multiflora* Blume 1823
22. ***Hoya myrmecopa* subsp. *kapatalanensis*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
23. *Hoya palawanica* Kloppenburg 1990
24. *Hoya pentaphlebia* Merrill 1918
25. ***Hoya pimenteliana*** Kloppenburg 1999
26. ***Hoya blashernaезii* subsp. *siariae*** Kloppenburg 2002
27. ***Hoya tsangii*** C. M. Burton 1988
28. ***Hoya wayetii*** Kloppenburg 1993

141. Flower cluster of up to 20 flowers, usually / otherwise

1. ***Hoya amorosae*** Green & Kloppenburg 2014
2. ***Hoya apoensis* subsp. *sagittaria*** Kloppenburg, Siar & Ferreras 2013
3. ***Hoya bebsguevarrae*** Kloppenburg & Carandang 2013
4. *Hoya bilobata* Schlechter 1906
5. ***Hoya blashernaезii*** Kloppenburg 1999
6. ***Hoya butleriana*** Kloppenburg, Siar, Guevarra & Carandang 2013
7. ***Hoya estrellaensis*** T. Green & Kloppenburg 2012
8. ***Hoya isabelaensis*** Kloppenburg, Siar & Ferreras 2011
9. ***Hoya mabilogensis*** Kloppenburg, Siar & Cajano 2013
10. ***Hoya marananiae*** Kloppenburg, Siar, Cajano & Carandang 2015
11. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014
12. ***Hoya santiagoi* subsp. *mandozaii*** Kloppenburg 2013
13. ***Hoya skinneriana*** Kloppenburg & Wayman 2011

142. Flower cluster of up to 25 flowers, usually / otherwise

1. ***Hoya alwitriana*** Kloppenburg, Siar, Guevarra & Carandang 2012
2. *Hoya benguetensis* Schlechter 1906
3. ***Hoya bicolor*** Kloppenburg 2003
4. ***Hoya carandangiana*** Kloppenburg, Siar, Cajano & Guevarra 2014
5. ***Hoya eburnea*** Kloppenburg, Guevarra & Carandang 2013
6. *Hoya edanoi* Burton ex Kloppenburg 1991
7. ***Hoya fitchii*** Kloppenburg 2009
8. *Hoya imbricata* Decaisne 1844
9. *Hoya kenejiana* Schlechter 1913
10. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
11. ***Hoya nakarensis*** Kloppenburg, Mendoza & Ferreras 2013
12. ***Hoya polilloensis*** Kloppenburg, Mendoza & Ferreras 2013
13. ***Hoya santiagoi*** Kloppenburg & Siar 2011
14. ***Hoya wibergiae*** Kloppenburg 2001
15. ***Hoya williamoliveriana*** Kloppenburg, Cajano & Hadsall 2015

143. Flower cluster of up to 30 flowers, usually / otherwise

1. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
2. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
3. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
4. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
5. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
6. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
7. **Hoya davaoensis** Kloppenburg 2013
8. *Hoya fischeriana* Warburg 1904
9. **Hoya juannguana** Kloppenburg 2002
10. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
11. **Hoya loheri** Kloppenburg 1991
12. **Hoya lucyae** Kloppenburg & Siar 2006
13. **Hoya memoria** Kloppenburg 2004
14. *Hoya merrillii* Schlechter 1904
15. *Hoya obscura* Elmer ex C. M. Burton 1986
16. *Hoya odorata* Schlechter 1906
17. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
18. **Hoya surigaensis** Kloppenburg, Siar & Nyhuus 2010
19. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
20. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
21. **Hoya vicencioana** Kloppenburg, Siar, Cajano et al 2013

144. Flower cluster of up to 40 flowers, usually / otherwise

1. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
2. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
3. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
4. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
5. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
6. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014

145. Flower cluster of up to 50 flowers, usually / otherwise

1. **Hoya greenii** Kloppenburg 1995
2. **Hoya loyceandrewsiana** T. Green 1995
3. **Hoya mindorensis subsp. superba** Kloppenburg 2005
4. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013

146. Flower cluster of up to 60 flowers, usually / otherwise

148. Flower cluster of up to 80 flowers, usually / otherwise

149. Flower cluster of up to 120 flowers, usually / otherwise

1. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
  2. *Hoya mcgregorii* Schlechter 1906
150. Pollinia length greater than 1 mm
1. *Hoya multiflora* Blume 1823 1.27
  2. ***Hoya platycaulis*** Simonsson & Rodda 2009 1.10
  3. *Hoya elliptica* Hooker f. 18813 1.07
  4. ***Hoya amrita*** Klopp., Siar & Ferreras 2011 1.05
  5. *Hoya imperialis* Lindley 1846 1.02
151. Pollinia length greater than .89 mm long / otherwise
1. ***Hoya coriacea* subsp. *philippinensis*** K, Sr & F 2013 1.00
  2. ***Hoya apoensis* subsp. *sagittaria*** K. S. & Ferr., 2013 0.95
  3. ***Hoya stoneana*** Kloppenburg 2006 0.95
  4. *Hoya imbricata* forma *basisubcordata* Koorders 1919 0.92
  5. *Hoya darwinii* Loher 1910 0.92
  6. ***Hoya lazeroi*** Kloppenburg & Siar 2008 0.92
  7. ***Hoya skinneriana*** Kloppenburg & Wayman 2011 0.92
152. Pollinia length greater than .79 mm long / otherwise
1. ***Hoya celata*** Kloppenburg, Siar, Mend, C. & C. 2013 0.87
  2. *Hoya odorata* Schlechter 1906 0.87
  3. ***Hoya irisae*** Ferreras, Kloppenburg & Tandang 2014 0.85
  4. ***Hoya meliflua* subsp. *fraterna*** T. Green 1995 0.85
  5. ***Hoya buotii*** Kloppenburg 2002 0.85
  6. ***Hoya pubicorolla* subsp. *anthracina*** Klopp., et 2013 0.83
  7. ***Hoya davaoensis*** Kloppenburg 2013 0.80
153. Pollinia length greater than .69 mm long / otherwise
1. *Hoya paziae* Kloppenburg 1990 0.78
  2. ***Hoya linavergarae*** Kloppenburg & Siar 2006 0.77
  3. ***Hoya weebella*** Kloppenburg 2005 0.77
  4. *Hoya benguetensis* Schlechter 1906 0.75
  5. *Hoya densifolia* Turczaninow 1848 0.75
  6. ***Hoya santiagoi* subsp. *mandozaii*** Kloppenburg 2013 0.75
  7. ***Hoya greenii*** Kloppenburg 1995 0.74
  8. ***Hoya pubicorolla*** Klopp., Mendoza & Ferreras 2013 0.73
  9. ***Hoya pubicenta*** Klopp., Mendoza & Ferreras 2014 0.72
  10. ***Hoya santiagoi* subsp. *mandozaii*** Kloppenburg 2013 0.70
  11. ***Hoya taytayensis*** Kloppenburg & Siar 2013 0.70



154. Pollinia length greater than .59 mm long / otherwise

1. <b>Hoya mindorensis subsp. superba</b> Kloppenburg 2005	0.68
2. <b>Hoya golamcoana</b> Kloppenburg 1991	0.67
3. <i>Hoya cumingiana</i> Decaisne 1844	0.63
4. <i>Hoya bordenii</i> Schlechter 1906	0.62
5. <b>Hoya diversifolia subsp el-nidicus</b> Kloppenburg 1991	0.61
6. <b>Hoya monetteae</b> T. Green 2004	0.60
7. <b>Hoya wibergiae</b> Kloppenburg 2001	0.60
8. <b>Hoya juanngoana</b> Kloppenburg 2002	0.60

155. Pollinia length greater than .49 mm long / otherwise

1. <b>Hoya andalensis</b> Kloppenburg 2005	0.59
2. <b>Hoya bandongii</b> Kloppenburg & Ferreras 2011	0.57
3. <b>Hoya benitotanii</b> Kloppenburg 2010	0.57
4. <i>Hoya diversifolia</i> Blume 1826	0.57
5. <b>Hoya estrellaensis</b> T. Green & Kloppenburg 2012	0.57
6. <i>Hoya mindorensis</i> Schlechter 1906	0.57
7. <b>Hoya quisumbingii</b> Kloppenburg 1992	0.57
8. <b>Hoya lucyae</b> Kloppenburg & Siar 2006	0.55
9. <i>Hoya longifolia</i> Wallich ex Wight 1834	0.55
10. <b>Hoya ramosii</b> Kloppenburg & Siar 2007	0.55
11. <b>Hoya bicolor</b> Kloppenburg 2003	0.54
12. <b>Hoya surigaoensis</b> Klopp., Siar & Nyhuus 2010	0.53
13. <b>Hoya anncajanoae</b> Kloppenburg & Siar 2008	0.52
14. <b>Hoya atimonanensis</b> Kloppenburg & Siar 2006	0.52
15. <b>Hoya butleriana</b> Klopp., Siar et al 2013	0.51
16. <i>Hoya cagayanensis</i> C. M. Burton 1987	0.51
17. <b>Hoya gigantanganensis</b> Kloppenburg 1992	0.51
18. <b>Hoya isabelaensis</b> Kloppenburg, Siar & Ferreras 2011	0.51
19. <i>Hoya pentaphlebia</i> Merrill 1918	0.51
20. <b>Hoya soligamiana</b> Klopp., Siar & Cajano 2009	0.51
21. <i>Hoya crassicaulis</i> Elmer ex Kloppenburg 1995	0.50
22. <b>Hoya landgrantensis</b> Kloppenburg, Siar et 2009	0.50
23. <b>Hoya litii</b> Kloppenburg, Siar, & Cajano 2015	0.50
24. <b>Hoya mindorensis subsp. mendozae</b> Klopp. & Ferr. 0.50	0.50

156. Pollinia length greater than .39 mm long / otherwise

1. <b>Hoya perangensis</b> Kloppenburg , Siar & Cajano 2013	0.49
2. <i>Hoya cardiophylla</i> Merrill 1920	0.48
3. <b>Hoya blashernaeszii subsp. valmayoriana</b> K, et l 2014	0.48
4. <b>Hoya wayetii</b> Kloppenburg 1993	0.48
5. <b>Hoya williamoliveriana</b> Klopp. et al 2015	0.48
6. <b>Hoya benvergarae</b> Kloppenburg & Siar 2008	0.47

7. <b>Hoya aurigueana</b> Kloppenburg, Siar, Cajano et al	0.46
8. <b>Hoya bicknellii</b> Kloppenburg 1999	0.46
9. <b>Hoya lagunaensis</b> Kloppenburg 2014	0.46
10. <b>Hoya benstoneana</b> Kloppenburg & Siar et al 2013	0.45
11. <b>Hoya chiekoae</b> Klopp. Ferr. & Mendoza 2012	0.45
12. <b>Hoya fitchii</b> Kloppenburg 2009	0.45
13. <b>Hoya foxii</b> Kloppenburg 2014	0.45
14. <b>Hoya ilagiorum</b> Kloppenburg, Siar & Cajano 2011	0.45
15. <i>Hoya kentiana</i> Burton 1991	0.45
16. <i>Hoya merrillii</i> Schlechter 1904	0.45
17. <b>Hoya myrmecopa subsp. kapatalanensis</b> 2013	0.45
18. <b>Hoya persicina</b> Kloppenburg, Siar et al	0.45
19. <b>Hoya persicina subsp. rosea</b> Klopp., et al. 2013	0.45
20. <b>Hoya aurantiaca</b> Kloppenburg, Siar & Cajano 2009	0.44
21. <b>Hoya blashernaeszii</b> Kloppenburg 1999	0.44
22. <b>Hoya alwitriana</b> Kloppenburg, Siar, et al 2012	0.44
23. <b>Hoya lucardenasia</b> Kloppenburg, Siar & Cajano 2009	0.43
24. <b>Hoya opposite</b> (Vahl) G Don 1837	0.43
25. <b>Hoya polilloensis</b> Klopp., Mendoza & Ferreras 2013	0.43
26. <b>Hoya ralphdavisiana</b> Klopp., et al 2013	0.43
27. <b>Hoya rizaliana</b> Kloppenburg 1991	0.43
28. <b>Hoya espaldoniana</b> Kloppenburg, Siar & Cajano 2014	0.42
29. <b>Hoya gelba</b> Kloppenburg, Siar et al 2013	0.42
30. <b>Hoya kanlaonensis</b> Klopp., Siar & Ferreras 2010	0.42
31. <b>Hoya pimenteliana</b> Kloppenburg 1999	0.42
32. <b>Hoya vicencioana</b> Klopp., Siar, Cajano & Carandang	0.42
33. <b>Hoya eburnea</b> Kloppenburg, Guevarra, et al 2013	0.41
34. <b>Hoya heuschkeliana ssp. cajanoae</b> Klopp.& Siar 2007	0.40
35. <i>Hoya mcgregorii</i> Schlechter 1906	0.40
36. <i>Hoya minutiflora</i> Rodda & Simonsson 2010	0.40
37. <b>Hoya querinoensis</b> Kloppenburg & Siar 2007	0.40

157. Pollinia length greater than .29 mm long / otherwise

1. <b>Hoya ferrerasii</b> Kloppenburg & Siar 2010	0.39
2. <b>Hoya moninae</b> Kloppenburg & Cajano 2014	0.39
3. <b>Hoya blashernaeszii subsp. siariae</b> Klopp. 2002	0.39
4. <b>Hoya breviaalata</b> Kleijn & Donkelaar 1999	0.37
5. <b>Hoya lagunaensis</b> Kloppenburg 2014	0.37
6. <b>Hoya lambioae</b> Kloppenburg, et al 2013	0.37
7. <b>Hoya loheri</b> Kloppenburg 1991	0.37
8. <b>Hoya panayensis</b> Kloppenburg & Siar 2009	0.37
9. <b>Hoya rima</b> Kloppenburg, Mendoza & Ferreras 2014	0.37
10. <b>Hoya burtoniae</b> Kloppenburg 1990	0.36
11. <b>Hoya bebsguevarrae</b> Kloppenburg, et al 2013	0.35
12. <b>Hoya bicolensis</b> Kloppenburg, Siar & Cajano 2013	0.35

13. <b>Hoya carmelae</b> Klopp., Siar & Ferreras 2010	0.35
14. <b>Hoya concava</b> Klop., Siar, Guevara & Carandang 2014	0.35
15. <b>Hoya curtis-porcelana</b> Suarez, Saha., & Aurigue 2013	0.35
16. <b>Hoya davidcummingii</b> Kloppenburg 1995	0.35
17. <b>Hoya davidcummingii</b> Kloppenburg 1995	0.35
18. <b>Hoya salmonea</b> Klopp., Mendoza & Ferreras 2013	0.35
19. <b>Hoya salmonea subsp. pallida</b> Klopp., M., & F. 2013	0.35
20. <b>Hoya corazoniae</b> Kloppenburg, Siar & Ferreras 2010	0.34
21. <b>Hoya krohniana</b> Kloppenburg & Siar 2009	0.34
22. <b>Hoya tsangii</b> C. M. Burton 1988	0.34
23. <b>Hoya samarensis</b> Kloppenburg & Siar 2011	0.33
24. <b>Hoya apoensis</b> Kloppenburg & Siar 2011	0.32
25. <b>Hoya odetteae</b> Kloppenburg 1998	0.32
26. <b>Hoya pseudoleyntensis</b> Klopp., Mendoza et al 2013	0.32
27. <b>Hoya heuschkeliana subsp. marionii</b> K & Ferr. 2014	0.31
28. <b>Hoya tangerina</b> Klopp., Mendoza & Ferreras 2014	0.31
29. <b>Hoya heuschkeliana</b> Kloppenburg 1989	0.30
30. <b>Hoya memoria</b> Kloppenburg 2004	0.30
31. <b>Hoya stoneana</b> Kloppenburg 2006	0.30

158. Pollinia length greater than .18 mm long

1. <b>Hoya bifunda subsp. integra</b> Klopp., et al 2013	0.29
2. <b>Hoya pallilimba</b> Kleijn & Donkelaar 1999	0.29
3. <b>Hoya celsa</b> Kloppenburg, Siar, Cajano et al 2013	0.26
4. <b>Hoya meliflua subsp. fraterna</b> T. Green 1995	0.26
5. <b>Hoya nakarensis</b> Klopp., Mendoza & Ferreras 2013	0.26
6. <b>Hoya unica</b> Kloppenburg, Mendoza & Ferreras 2013	0.26
7. <b>Hoya albida</b> Kloppenburg, Siar, Cajano & C. 2013	0.25
8. <b>Hoya marananiae</b> Kloppenburg, Siar et al 2015	0.25
9. <b>Hoya aurea</b> Klopp., Mendoza & Carandang 2013	0.24
10. <b>Hoya marvinii</b> Klopp., Mendoza & Ferreras 2013	0.24
11. <b>Hoya unruhiana</b> Kloppenburg, Siar et al 2013	0.24
12. <b>Hoya acanthominima</b> Klopp., Mend., Ferreras 2013	0.23
13. <b>Hoya bifunda</b> Kloppenburg, Siar et al 2013	0.23
14. <b>Hoya amorosae</b> Green & Kloppenburg 2014	0.22
15. <b>Hoya carandangiana</b> Klopp., Siar, Cajano et al 2014	0.21
16. <b>Hoya cupula</b> Kloppenburg, Mendoza & Ferreras 2013	0.21
17. <b>Hoya willimasiana</b> Kloppenburg, Siar & et al 2013	0.20
18. <b>Hoya brittonii</b> Kloppenburg 1992	0.19

159. Pollinia width (Widest) .10 mm or less / otherwise

1. <b>Hoya aurea</b> Klopp., Mendoza & Carandang 2013	0.07
2. <b>Hoya apoensis subsp. sagittaria</b> K. S. & Ferr., 2013	0.08
3. <b>Hoya cupula</b> Kloppenburg, Mendoza & Ferreras 2013	0.08

4. <b>Hoya marvinii</b> Klopp., Mendoza & Ferreras 2013	0.08
5. <b>Hoya albida</b> Kloppenburg, Siar, Caj. & Car. 2013	0.09
6. <b>Hoya amorosae</b> Green & Kloppenburg 2014	0.09
7. <b>Hoya brittonii</b> Kloppenburg 1992	0.09
8. <b>Hoya cardangiana</b> Kloppenburg & Siar 2011	0.09
9. <b>Hoya acanthominima</b> Klopp., Mend., Ferreras 2013	0.10
10. <b>Hoya bifunda subsp. integra</b> Klopp., Siar 2013	0.10
11. <b>Hoya celsa</b> Kloppenburg, Siar, Cajano et al 2013	0.10
12. <b>Hoya unica</b> Kloppenburg, Mendoza & Ferreras 2013	0.10
13. <b>Hoya willimasiana</b> Kloppenburg, Siar et al 2013	0.10

160. Pollinia width (Widest) .11 - .13 mm / otherwise

1. <b>Hoya memoria</b> Kloppenburg 2004	0.11
2. <b>Hoya unruhiana</b> Kloppenburg, Siar, et al 2013	0.11
3. <b>Hoya bebsguevarrae</b> Kloppenburg, et al 2013	0.12
4. <b>Hoya odetteae</b> Kloppenburg 1998	0.12
5. <b>Hoya corazoniae</b> Kopp., Siar & Ferreras 2010	0.12
6. <b>Hoya krohniana</b> Kloppenburg & Siar 2009	0.13
7. <b>Hoya landgrantensis</b> Kloppenburg, Siar et al 2009	0.13
8. <b>Hoya loheri</b> Kloppenburg 1991	0.13
9. <b>Hoya marananiae</b> Kloppenburg, Siar et al 2015	0.13
10. <b>Hoya nakarensis</b> Klopp., Mendoza & Ferreras 2013	0.13
11. <b>Hoya tangerina</b> Klopp., Mendoza & Ferreras 2014	0.13
12. <b>Hoya tsangii</b> C. M. Burton 1988	0.13

161. Pollinia width (Widest) .14 mm / otherwise

1. <b>Hoya benitotanii</b> Kloppenburg 2010	
2. <b>Hoya bifunda</b> Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013	
3. <b>Hoya burtoniae</b> Kloppenburg 1990	
4. <b>Hoya breviaolata</b> Kleijn & Donkelaar 1999	
5. <b>Hoya chiekoae</b> Kloppenburg. Ferreras & Mendoza 2012	
6. <b>Hoya concava</b> Kloppenburg, Siar, Guevara & Carandang 2014	
7. <b>Hoya lagunaensis</b> Kloppenburg 2014	
8. <b>Hoya litii</b> Kloppenburg, Siar, & Cajano 2015	
9. <b>Hoya lucardenasiana</b> Kloppenburg, Siar & Cajano 2009	
10. <b>Hoya mcgregorii</b> Schlechter 1906	
11. <b>Hoya obscura</b> Elmer ex C. M. Burton 1986	
12. <b>Hoya panayensis</b> Kloppenburg & Siar 2009	
13. <b>Hoya rima</b> Kloppenburg, Mendoza & Ferreras 2014	
14. <b>Hoya salmonea</b> Kloppenburg, Mendoza & Ferreras 2013	
15. <b>Hoya samarensis</b> Kloppenburg & Siar 2011	
16. <b>Hoya surigaoensis</b> Kloppenburg, Siar & Nyhuus 2010	

162. Pollinia width (Widest) .15 mm / otherwise

1. **Hoya bicknellii** Kloppenburg 1999
2. **Hoya bicolor** Kloppenburg, Siar & Cajano 2013
3. **Hoya bicolor** Kloppenburg 2003
4. **Hoya gigantanganensis** Kloppenburg 1992
5. **Hoya heuschkeliana** Kloppenburg 1989
6. *Hoya kentiana* Burton 1991
7. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
8. *Hoya mcgregorii* Schlechter 1906
9. *Hoya merrillii* Schlechter 1904
10. *Hoya minutiflora* Rodda & Simonsson 2010
11. **Hoya pseudoleytenis** Kloppenburg, Mendoza & Carandang 2013
12. **Hoya vicencioana** Kloppenburg, Siar, Cajano & Carandang 2013
13. **Hoya wayetii** Kloppenburg 1993

163. Pollinia width (Widest) .16 mm / otherwise

1. **Hoya apoensis** Kloppenburg & Siar 2011
2. *Hoya cardiophylla* Merrill 1920
3. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
4. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
5. **Hoya juanguoana** Kloppenburg 2002
6. **Hoya moninae** Kloppenburg & Cajano 2014
7. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, 888 Guevarra & Carandang 2013
8. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013

164. Pollinia width (Widest) .17 mm / otherwise

1. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
2. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
3. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
4. **Hoya davidcummingii** Kloppenburg 1995
5. **Hoya fitchii** Kloppenburg 2009
6. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
7. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
8. **Hoya rizaliana** Kloppenburg 1991
9. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013

165. Pollinia width (Widest) .18 mm / otherwise

1. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
2. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
3. **Hoya espadoniana** Kloppenburg, Siar & Cajano 2014
4. **Hoya ferrerasii** Kloppenburg & Siar 2010

5. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
6. **Hoya juannguoana** Kloppenburg 2002
7. *Hoya pentaphlebia* Merrill 1918
8. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
9. **Hoya quisumbingii** Kloppenburg 1992
10. **Hoya ralphdavisiana** Klopp., Mendoza, Guevarra & Carandang 2013
11. **Hoya soligamiana** Kloppenburg, Siar & Cajano 2009

166. Pollinia width (Widest) .19 mm / otherwise

1. **Hoya andalensis** Kloppenburg 2005
2. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
3. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
4. **Hoya querinoensis** Kloppenburg & Siar 2007

167. Pollinia width (Widest) .20 mm / otherwise

1. **Hoya anncajanoae** Kloppenburg & Siar 2008
2. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya blashernaeszii** Kloppenburg 1999
4. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
5. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
6. **Hoya lucyae** Kloppenburg & Siar 2006
7. **Hoya monetteae** T. Green 2004
10. **Hoya pimenteliana** Kloppenburg 1999
11. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
12. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
13. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

168. Pollinia width (Widest) .21 mm / otherwise

1. *Hoya benguensis* Schlechter 1906
2. **Hoya benvergarae** Kloppenburg & Siar 2008
3. *Hoya campanulata* Blume 1826
4. **Hoya estrellaensis** T. Green & Kloppenburg 2012
5. **Hoya foxii** Kloppenburg 2014
6. **Hoya heuschkeliana subsp. cajanoae** Klopp. & Siar 2007
7. **Hoya wibergiae** Kloppenburg 2001

169. Pollinia width (Widest) .22 mm / otherwise

1. **Hoya bandongii** Kloppenburg & Ferreras 2011
2. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
3. **Hoya greenii** Kloppenburg 1995
4. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
5. **Hoya taytayensis** Kloppenburg & Siar 2013



170. Pollinia width (Widest) .23 mm / otherwise

1. **Hoya apoensis subsp. sagittaria** K. S. & Ferreras 2013
2. *Hoya bordenii* Schlechter 1906
3. *Hoya imbricata* (Green lf.) Decaisne 1844
4. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
5. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014

171. Pollinia width (Widest) .24 mm / otherwise

1. *Hoya cagayanensis* C. M. Burton 1987
2. *Hoya mindorensis* Schlechter 1906
3. **Hoya skinneriana** Kloppenburg & Wayman 2011

172. Pollinia width (Widest) .25 mm / otherwise

1. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
2. **Hoya davaoensis** Kloppenburg 2013
3. *Hoya diversifolia* Blume 1826
4. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
5. *Hoya imbricata* var. *basisubcordata* Koorders 1919
6. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
7. *Hoya paziae* Kloppenburg 1990
8. **Hoya weebella** Kloppenburg 2005

173. Pollinia width (Widest) .26 mm / otherwise

1. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
2. **Hoya golamcoana** Kloppenburg 1991
2. **Hoya ramosii** Kloppenburg & Siar 2007
3. **Hoya skinneriana** Kloppenburg & Wayman 2011

174. Pollinia width (Widest) .27 mm / otherwise

1. *Hoya cumingiana* Decaisne 1844
2. **Hoya meliflua subsp. fraterna** T. Green 1995
3. *Hoya mindorensis* Schlechter 1906

175. Pollinia width (Widest) .28 mm / otherwise

1. *Hoya multiflora* Blume 1923

176. Pollinia width (Widest) .29 mm to .30 mm / otherwise

- |  |         |
|--|---------|
| 1. <b>Hoya blashernaezii subsp. siariae</b> Klopp. 2002    | 0.29 mm |
| 2. <i>Hoya densifolia</i> Turczaninow 1848                 | 0.30 mm |
| 3. <i>Hoya imperialis</i> Lindley 1846                     | 0.30 mm |
| 3. <b>Hoya mindorensis subsp. superba</b> Kloppenburg 2005 | 0.30 mm |
| 4. <b>Hoya loyceandrewsiae</b> T. Green 1995               | 0.30 mm |
| 5. <b>Hoya buotii</b> Kloppenburg 2002                     | 0.30 mm |
| 6. <b>Hoya platycaulis</b> Simonsson & Rodda 2009          | 0.30 mm |

177. Pollinia width (Widest) .31 mm - .64 mm / otherwise

- |  |         |
|--|---------|
| 1. <b>Hoya linavergarae</b> Kloppenburg & Siar 2006        | 0.32 mm |
| 2. <i>Hoya odorata</i> Schlechter 1906                     | 0.32 mm |
| 3. <b>Hoya irisae</b> Ferreras, Kloppenburg & Tandang 2014 | 0.35 mm |
| 4. <b>Hoya lazeroi</b> Kloppenburg & Siar 2008             | 0.37 mm |
| 5. <i>Hoya darwinii</i> Loher 1910                         | 0.42 mm |

178. Translators linear relatively narrow throughout its length, just reaching the pollinia end (ls) / otherwise

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. **Hoya aurantiaca** Kloppenburg, Siar, & Cajano 2009
3. **Hoya bandongii** Kloppenburg & Ferreras 2011
4. **Hoya blashernaezii** Kloppenburg 1999
5. *Hoya bordenii* Schlechter 1906
6. **Hoya buotii** Kloppenburg 2002
7. *Hoya cagayanensis* C. M. Burton 1987
8. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
9. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
10. *Hoya cembra* Kloppenburg 1990
11. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
12. *Hoya cumingiana* Decaisne 1844
13. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
14. *Hoya darwinii* Loher 1910
15. **Hoya davaoensis** Kloppenburg 2013
16. *Hoya densifolia* Turczaninow 1848
17. *Hoya diversifolia* Blume 1826
18. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1995
19. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
20. **Hoya golamcoana** Kloppenburg 1991
21. **Hoya heuschkeliana subsp. cajanoae** Klopp. & Siar 2007
22. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
23. *Hoya imperialis* Lindley 1846
24. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
25. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
26. **Hoya linavergarae** Kloppenburg & Siar 2006
27. **Hoya lucardenasiana** Kloppenburg, Siar & Cajano 2009



28. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
  29. *Hoya mcgregorii* Schlechter 1906
  30. *Hoya mindorensis* Schlechter 1906
  31. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
  32. **Hoya meliflua subsp. fraterna** T. Green 1995
  33. **Hoya moninae** Kloppenburg & Cajano 2014
  34. **Hoya monetteae** T. Green 2004
  35. *Hoya multiflora* Blume 1823
  36. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
  37. *Hoya odorata* Schlechter 1906
  38. **Hoya panayensis** Kloppenburg & Siar 2010
  39. *Hoya paziae* Kloppenburg 1990
  40. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
  41. **Hoya pimenteliana** Kloppenburg 1999
  42. **Hoya platycaulis** Simonsson & Rodda 2009
  43. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
  44. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
  45. **Hoya samarensis** Kloppenburg & Siar 2011
  46. **Hoya ralphdavisiana** Klopp., Mendoza, Guevarra & Carandang 2013
  47. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
  48. **Hoya skinneriana** Kloppenburg & Wayman 2011
  49. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
  50. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015
179. Translators linear but modified and a little beyond pollinia end (l/cw or l/o) / otherwise

1. **Hoya bifunda** Kloppenburg, Siar, et al 2013
2. **Hoya bifunda subsp. integra** Klopp., Siar, Mend., et al 2013
3. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
4. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
5. **Hoya greenii** Kloppenburg 1995
6. *Hoya imbricata* (Green leaf) Decaisne 1844
7. **Hoya mindorensis subsp. superba** Kloppenburg 2005



180. Translators fiddle shaped, more like a drumstick, ends beyond pollinia end (lb) / otherwise

1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya acicularis** T. Green 2002
3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya anncajanoae** Kloppenburg & Siar 2008
5. **Hoya apoensis** Kloppenburg & Siar 2011
6. **Hoya apoensis subsp. sagittaria** K. S. & Ferreras 2013



7. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
8. **Hoya benitotanii** Kloppenburg 2010
9. **Hoya bicknellii** Kloppenburg 1999
10. **Hoya bilobata** Schlechter 1906
11. **Hoya brittonii** Kloppenburg 1992
12. **Hoya burtoniae** Kloppenburg 1990
13. **Hoya carmelae** Kloppenburg, Siar, & Ferreras 2010
14. **Hoya celsa** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
15. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
16. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
17. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
18. **Hoya davidcummingii** Kloppenburg 1995
19. **Hoya edanoi** Burton ex Kloppenburg 1991
20. **Hoya gigantanganensis** Kloppenburg 1992
21. **Hoya heuschkeliana** Kloppenburg 1989
22. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
23. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
24. **Hoya kentiana** Burton 1991
25. **Hoya krohniana** Kloppenburg & Siar 2009
26. **Hoya lagunaensis** Kloppenburg 2014
27. **Hoya leytensis** Elmer ex C. M. Burton 1988
28. **Hoya loheri** Kloppenburg 1991
29. **Hoya lucyae** Kloppenburg & Siar 2006
30. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
31. **Hoya memoria** Kloppenburg 2004
32. **Hoya obscura** Elmer ex C. M. Burton 1986
33. **Hoya odetteae** Kloppenburg 1998
34. **Hoya pseudoleytensis** Kloppenburg, Mendoza & Carandang 2013
35. **Hoya quisumbingii** Kloppenburg 1992
36. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
37. **Hoya rizaliana** Kloppenburg 1991
38. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
39. **Hoya tsangii** C.M. Burton 1988
40. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
41. **Hoya wayetii** Kloppenburg 1993
42. **Hoya weebella** Kloppenburg 2005

181. Translators perpendicular to the retinaculum (p) / otherwise

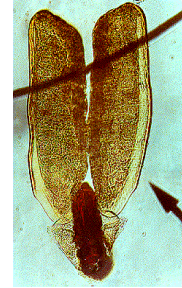
1. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
2. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
5. **Hoya bicolor** Kloppenburg 2003
6. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
7. **Hoya lazeroi** Kloppenburg & Siar 2008
8. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
9. **Hoya minutiflora** Rodda & Simonsson 2010



10. **Hoya ramosii** Kloppenburg & Siar 2007
11. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013

182. Translators delta shaped, with a flat top (d) / otherwise

1. **Hoya afungae** Kloppenburg & Cajano 2015
2. **Hoya albida** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
3. **Hoya alwitriana** Klopp., Siar, Guevarra & Carandang 2012
4. **Hoya aurigueana** Klopp., Siar, Cajano & Carandang 2013
5. *Hoya benguetensis* Schlechter 1906
6. **Hoya benstoneana** Klopp., Siar, Guevarra & Carandang 2013
7. **Hoya benvergarae** Kloppenburg & Siar 2008
8. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
12. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
13. *Hoya cardiophylla* Merrill 1920
14. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
15. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
16. **Hoya estrellaensis** T. Green & Kloppenburg 2012
17. **Hoya ferrerasii** Kloppenburg & Siar 2010
18. **Hoya fitchii** Kloppenburg 2009
19. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
20. **Hoya juannguoana** Kloppenburg 2002
21. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
22. *Hoya mcgregorii* Schlechter 1906
23. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
24. *Hoya pentaphlebia* Merrill 1918
25. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
26. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
27. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
28. **Hoya querinoensis** Kloppenburg & Siar 2007
29. **Hoya salmonea** Kloppenburg, Mendoza & Ferreras 2013
30. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
31. **Hoya soligamiana** Kloppenburg, Siar & Cajano 2009
32. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
33. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
34. **Hoya wibergiae** Kloppenburg 2001
35. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013



183. Translator outer end truncate (squared off) or spatulate (t) / otherwise

1. *Hoya imbricata* Decaisne 1844
2. *Hoya imbricata* basisubcordata Koorders 1991
3. *Hoya pseudomaxima* Koorders 1919



184. Caudicle with small ball end (comma shaped) (o) / otherwise

1. **Hoya afungae** Kloppenburg & Cajano 2015
2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
4. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
5. **Hoya andalensis** Kloppenburg 2005
6. **Hoya apoensis subsp. sagittaria** K. S. & Ferreras 2013
7. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
9. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
10. **Hoya bandongii** Kloppenburg & Ferreras 2011
11. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
12. *Hoya benguetensis* Schlechter 1906
13. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
14. **Hoya benvergarae** Kloppenburg & Siar 2008
15. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
16. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
17. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
18. **Hoya blashernaeszii** Kloppenburg 1999
19. *Hoya bordenii* Schlechter 1906
20. **Hoya buotii** Kloppenburg 2002
21. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
22. *Hoya cagayanensis* C. M. Burton 1987
24. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
32. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
33. *Hoya cardiophylla* Merrill 1920
34. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
35. *Hoya cembra* Kloppenburg 1990
36. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
37. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
38. *Hoya cumingiana* Decaisne 1844
39. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
40. *Hoya darwinii* Loher 1910
41. **Hoya davaoensis** Kloppenburg 2013
42. **Hoya davidcummingii** Kloppenburg 1995
43. *Hoya densifolia* Turczaninow 1848
44. *Hoya diversifolia* Blume 1826
45. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
46. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
47. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
48. **Hoya estrellaensis** T. Green & Kloppenburg 2012
49. **Hoya ferrerasii** Kloppenburg & Siar 2010
50. **Hoya fitchii** Kloppenburg 2009
51. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013



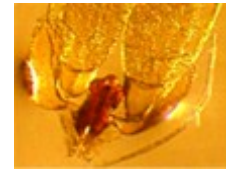


52. *Hoya gildingii* Kloppenburg 2002
53. *Hoya golamcoana* Kloppenburg 1991
54. *Hoya greenii* Kloppenburg 1995
55. *Hoya heuschkeliana* Kloppenburg 1989
56. *Hoya heuschkeliana* subsp. *cajanoae* Kloppenburg & Siar 2007
57. *Hoya heuschkeliana* subsp. *marionii* Kloppenburg & Ferreras 2014
58. *Hoya ilagiorum* Kloppenburg, Siar & Cajano 2011
59. *Hoya imperialis* Lindley 1846
60. *Hoya irisaе* Ferreras, Kloppenburg & Tandang 2014
61. *Hoya isabelaensis* Kloppenburg, Siar & Ferreras 2011
62. *Hoya juannguoana* Kloppenburg 2002
63. *Hoya lagunaensis* Kloppenburg 2014
64. *Hoya lambioae* Kloppenburg, Cajano, Carandang & Guevarra 2013
65. *Hoya landgrantensis* Kloppenburg, Siar & Cajano 2009
66. *Hoya linavergarae* Kloppenburg Siar 2006
67. *Hoya litii* Kloppenburg, Siar, & Cajano 2015
68. *Hoya lucardenasiana* Kloppenburg, Siar & Cajano 2009
69. *Hoya mcgregorii* Schlechter 1906
70. *Hoya marananiae* Kloppenburg, Siar, Cajano & Carandang 2015
71. *Hoya meliflua* subsp. *fraterna* T. Green 1995
72. *Hoya mindorensis* Schlechter 1906
73. *Hoya mindorensis* subsp. *superba* Kloppenburg 2005
74. *Hoya minutiflora* Rodda & Simonsson 2010
75. *Hoya moninae* Kloppenburg & Cajano 2014
76. *Hoya multiflora* Blume 1823
77. *Hoya myrmecopa* subsp. *kapatalanensis* Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
78. *Hoya nakarensis* Kloppenburg, Mendoza & Ferreras 2013
79. *Hoya odorata* Schlechter 1902
80. *Hoya panayensis* Kloppenburg 2009
81. *Hoya paziae* Kloppenburg 1990
82. *Hoya pentaphlebia* Merrill 1918
83. *Hoya persicina* Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
84. *Hoya persicina* subsp. *rosea* Klopp., Guevarra, Mendoza & Ferreras 2013
85. *Hoya pimenteliana* Kloppenburg 1999
86. *Hoya polilloensis* Kloppenburg, Mendoza & Ferreras 2013
87. *Hoya pubicenta* Kloppenburg, Mendoza & Ferreras 2014
88. *Hoya pubicorolla* Kloppenburg, Mendoza & Ferreras 2013
89. *Hoya pubicorolla* subsp. *anthracina* Klopp., Mendoza & Ferreras 2013
90. *Hoya querinoensis* Kloppenburg & Siar 2007
91. *Hoya ralphdavisiana* Klopp., Mendoza, Guevarra & Carandang 2013
92. *Hoya ramosii* Kloppenburg & Siar 2007
93. *Hoya salmonea* Kloppenburg, Mendoza & Ferreras 2013
94. *Hoya santiagoi* subsp. *mandozaii* Kloppenburg 2013
95. *Hoya salmonea* subsp. *pallida* Kloppenburg, Mendoza & Ferreras 2013
96. *Hoya samarensis* Kloppenburg & Siar 2011

97. **Hoya blashernaezii subsp. siariae** Kloppenburg 2002
98. **Hoya skinneriana** Kloppenburg & Wayman 2011
99. **Hoya soligamiana** Kloppenburg, Siar & Cajano 2009
100. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
101. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
102. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
103. **Hoya wibergiae** Kloppenburg 2001
104. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013
105. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

185. Caudicle a wide end usually funnel shaped (cw) / otherwise

1. **Hoya acanthominima** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya acicularis** T. Green 2004
3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya anncajanoae** Kloppenburg & Siar 2008
5. **Hoya apoensis** Kloppenburg & Siar 2011
6. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
7. **Hoya benitotanii** Kloppenburg 2010
8. **Hoya bicknellii** Kloppenburg 1999
9. *Hoya bilobata* Schlechter 1906
10. **Hoya brittonii** Kloppenburg 1992
11. **Hoya burtoniae** Kloppenburg 1990
12. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
13. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 2012
14. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
15. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
16. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
17. *Hoya imbricata* Decaisne 1844
18. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
19. *Hoya kentiana* Burton 1991
20. **Hoya krohniana** Kloppenburg & Siar 2009
21. **Hoya lagunaensis** Kloppenburg 2014
22. **Hoya loheri** Kloppenburg 1991
23. **Hoya lucyae** Kloppenburg & Siar 2006
24. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
25. **Hoya memoria** Kloppenburg 2004
26. *Hoya obscura* Elmer ex C. M. Burton 1986
27. **Hoya odetteae** Kloppenburg 1998
28. **Hoya pseudoleytsensis** Kloppenburg, Mendoza & Carandang 2013
29. **Hoya quisumbingii** Kloppenburg 1992
30. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
31. **Hoya rizaliana** Kloppenburg 1991
32. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
33. **Hoya tsangii** C. M. Burton 1988



34. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
35. **Hoya wayetii** Kloppenburg 1993
36. **Hoya weebella** Kloppenburg 2005

186. Leaf nerve angle to midrib usually 15° / otherwise

1. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
2. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
3. **Hoya blashernaезii subsp. siariae** Kloppenburg 2002
4. *Hoya bordenii* Schlechter 1906
5. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
6. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
7. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
8. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013

187. Leaf nerve angle to midrib usually 16-25° / otherwise

1. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
2. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
3. **Hoya clandestina** Blume 1848
4. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
5. **Hoya gigantanganensis** Kloppenburg 1992
6. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
7. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
8. *Hoya obscura* Elmer ex C. M. Burton 1986
9. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
10. **Hoya rizaliana** Kloppenburg 1991
11. **Hoya salmonea** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

188. Leaf nerve angle to midrib usually 26-30° / otherwise

1. *Hoya benguetensis* Schlechter 1906
2. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
3. **Hoya bifunda** Kloppenburg, Siar & Cajano et al 2013
4. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
5. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
6. *Hoya cagayanensis* C. M. Burton 1987
7. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
8. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
9. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
10. *Hoya mcgregorii* Schlechter 1906
11. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya palawanica** Kloppenburg 1990
13. **Hoya pentaplebia** Merrill 1918

14. **Hoya soligamiana** Kloppenburg & Siar 20009
15. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
16. **Hoya tsangii** C. M. Burton 1988
17. **Hoya blashernaезii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014

189. Leaf nerve angle to midrib usually 31-45° / otherwise

1. *Hoya alagensis* Kloppenburg 1990
2. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
3. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
4. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
5. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
6. *Hoya cardiophylla* Merrill 1920
7. *Hoya diversifolia* Blume 1826
8. **Hoya estrellaensis** T. Green & Kloppenburg 2012
9. **Hoya gigantanganensis** Kloppenburg 1992
10. **Hoya glabra** Schlechter 1908
11. *Hoya halconensis* Kloppenburg 1990
12. **Hoya lagunaensis** Kloppenburg 2014
13. *Hoya merrillii* Schlechter 1904
14. **Hoya mindorensis** Schlechter 1906
15. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
16. **Hoya quisumbingii** Kloppenburg 1992
17. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013

190. Leaf nerve angle to midrib usually 46-50° / otherwise

1. *Hoya angustisepala* Burton 1987
2. **Hoya bicolor** Kloppenburg 2003
3. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
4. *Hoya edanoi* Burton ex Kloppenburg 1991
5. *Hoya imperialis* Lindley 1846
6. **Hoya juannguoana** Kloppenburg 2002
7. **Hoya lazeroi** Kloppenburg & Siar 2008
8. *Hoya minutiflora* Rodda & Simonsson 2010
9. *Hoya odorata* Schlechter 1906

191. Leaf nerve angle to midrib usually 51-60° / otherwise

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya calycina** Schlechter 1908
3. *Hoya cumingiana* Decaisne 1844
4. **Hoya meliflua subsp. fraterna** T. Green 1995
5. *Hoya multiflora* Blume 1823

192. Leaf nerve angle to midrib usually 61-91° or grater / otherwise

1. *Hoya cembra* Kloppenburg 1990
2. *Hoya darwinii* Loher 1910
3. ***Hoya greenii*** Kloppenburg 1995
4. ***Hoya heuschkeliana*** Kloppenburg 1989
5. ***Hoya krohniana*** Kloppenburg & Siar 2009
6. ***Hoya lacunosa*** Blume 1826
7. ***Hoya litii*** Kloppenburg, Siar, & Cajano 2015
8. ***Hoya lucardenasiana*** Kloppenburg, Siar & Cajano 2009
9. ***Hoya panchoi*** Kloppenburg 1988
10. ***Hoya paziae*** Kloppenburg 1990

193. Coronal lobe length greater than 1.0 cm / otherwise

194. Coronal lobe length between 0.70- 0.90 cm / otherwise

- |   |          |
|---|----------|
| 1. <i>Hoya multiflora</i> Blume 1823        | 0.85 cm  |
| 2. <i>Hoya halconensis</i> Kloppenburg 1990 | 0.80 cm  |
| 3. <i>Hoya darwinii</i> Loher 1910          | 0.80 cm. |
| 4. <i>Hoya imperialis</i> Lindley 1846      | 0.70 cm  |

195. Coronal lobe length between 0.60 and .69 cm long / otherwise

196. Coronal lobe length between 0.50 and .59 cm long / otherwise

- |  |         |
|--|---------|
| 1. <b><i>Hoya amrita</i></b> Klopp., Siar & Ferreras 2011              | 0.57 cm |
| 2. <b><i>Hoya celata</i></b> Kloppenburg, Siar, et al. 2013            | 0.57 cm |
| 3. <b><i>Hoya pubicorolla</i></b> Klopp., Mendoza & Ferreras 2013      | 0.56 cm |
| 4. <b><i>Hoya rizaliana</i></b> Kloppenburg 1991                       | 0.55 cm |
| 5. <b><i>Hoya skinneriana</i></b> Kloppenburg & Wayman 2011            | 0.55 cm |
| 6. <b><i>Hoya coriacea subsp. philippinensis</i></b> Klopp. et al 2013 | 0.53 cm |
| 7. <b><i>Hoya platycaulis</i></b> Simonsson & Rodda 2009               | 0.53 cm |
| 8. <b><i>Hoya lazeroi</i></b> Kloppenburg & Siar 2008                  | 0.52 cm |
| 9. <b><i>Hoya pubicorolla subsp. anthracina</i></b> Klopp., et 2013    | 0.52 cm |
| 10. <b><i>Hoya coriacea subsp. philippinensis</i></b> K S & F. 2013    | 0.50 cm |
| 11. <b><i>Hoya pubicenta</i></b> Klopp., Mendoza & Ferreras 2014       | 0.50 cm |

197. Coronal lobe length between 0.40 and .49 cm long/ otherwise

- |   |         |
|---|---------|
| 1. <b><i>Hoya buotii</i></b> Kloppenburg 2002                     | 0.45 cm |
| 2. <b><i>Hoya monetteae</i></b> T. Green 2004                     | 0.45 cm |
| 3. <b><i>Hoya santiagoi</i></b> Kloppenburg & Siar 2011           | 0.45 cm |
| 4. <b><i>Hoya santiagoi subsp. mandozaii</i></b> Kloppenburg 2013 | 0.45 cm |
| 5. <i>Hoya bordenii</i> Schlechter 1906                           | 0.44 cm |

6. <b>Hoya greenii</b> Kloppenburg 1995	0.43 cm
7. <b>Hoya meliflua subsp. fraterna</b> T. Green 1995	0.42 cm
9. <b>Hoya atimonanensis</b> Kloppenburg & Siar 2006	0.40 cm
10. <b>Hoya aurigueana</b> Kloppenburg, Siar, Cajano et al	0.40 cm
11. <i>Hoya benguetensis</i> Schlechter 1906	0.40 cm
12. <b>Hoya benvergarae</b> Kloppenburg & Siar 2008	0.40 cm
13. <i>Hoya cagayanensis</i> C. M. Burton 1987	0.40 cm
14. <b>Hoya heuschk. subsp. cajanoae</b> Klopp. & Siar 2007	0.40 cm
15. <b>Hoya linavergarae</b> Kloppenburg & Siar 2006	0.40 cm
16. <i>Hoya odorata</i> Schlechter 1906	0.40 cm
17. <b>Hoya pimenteliana</b> Kloppenburg 1999	0.40 cm
18. <b>Hoya soligamiana</b> Klopp., Siar, & Cajano 2009	0.40 cm
19. <b>Hoya wibergiae</b> Kloppenburg 2001	0.40 cm
198. Coronal lobe length between 0.30 and .39 cm long / otherwise	
1. <i>Hoya imbricata</i> Decaisne 1844 (Green form)	0.39 cm
2. <b>Hoya mindorensis subsp. superba</b> Klopp., 2005	0.39 cm
3. <b>Hoya bandongii</b> Kloppenburg & Ferreras 2011	0.38 cm
4. <i>Hoya cumingiana</i> Decaisne 1844	0.38 cm
5. <b>Hoya estrellaensis</b> T. Green & Kloppenburg 2012	0.38 cm
6. <i>Hoya mindorensis</i> Schlechter 1906	0.38 cm
7. <b>Hoya mindorensis subsp. mendozae</b> Klopp & Ferr.	0.38 cm
8. <b>Hoya wayetii</b> Kloppenburg 1993	0.38 cm
9. <b>Hoya alwitriana</b> Kloppenburg, Siar, et al 2012	0.37 cm
10. <b>Hoya isabelaensis</b> Kloppenburg, Siar & Ferreras	0.37 cm
11. <b>Hoya juannguoana</b> Kloppenburg 2002	0.36 cm
12. <b>Hoya butleriana</b> Klopp, Siar et al 2013	0.35 cm
13. <i>Hoya crassicaulis</i> Elmer ex Kloppenburg 1995	0.35 cm
14. <b>Hoya davaoensis</b> Kloppenburg 2013	0.35 cm
15. <b>Hoya golamcoana</b> Kloppenburg 1991	0.35 cm
16. <i>Hoya paziae</i> Kloppenburg 1990	0.35 cm
17. <b>Hoya samarensis</b> Kloppenburg & Siar 2011	0.35 cm
18. <i>Hoya fischeriana</i> Warburg 1904	0.34 cm
19. <b>Hoya bebsguevarrae</b> Kloppenburg & Carandang 2013	0.33 cm
20. <b>Hoya krohniana</b> Kloppenburg 2009	0.33 cm
21. <b>Hoya persicina</b> Kloppenburg, Siar et al 2013	0.33 cm
22. <b>Hoya blashernaезii</b> Kloppenburg 1999	0.32 cm
23. <b>Hoya irisae</b> Ferreras, Kloppenburg & Tandang 2014	0.32 cm
24. <b>Hoya williamoliveriana</b> Kloppenburg, Cajano et. al	0.32 cm
25. <i>Hoya curtis-porcelana</i> Suarez, Saha., & Aurigue 2013	0.31 cm
26. <b>Hoya ralphdavisiana</b> Klopp., et al 2013	0.31 cm
27. <b>Hoya aurantiaca</b> Klopp., Siar & Cajano 2009	0.30 cm
28. <b>Hoya bicolor</b> Kloppenburg 2003	0.30 cm
29. <i>Hoya densifolia</i> Turczaninow 1848	0.30 cm
30. <b>Hoya fitchii</b> Kloppenburg 2009	0.30 cm

31. <b>Hoya lagunaensis</b> Kloppenburg 2014	0.30 cm
32. <i>Hoya merrillii</i> Schlechter 1904	0.30 cm
33. <b>Hoya ramosii</b> Kloppenburg & Siar 2007	0.30 cm
34. <b>Hoya blashernaeszii subsp. valmayoriana</b> K., et al	0.30 cm
199. Coronal lobe length between 0.20 and .29 cm long / otherwise	
1. <b>Hoya ferrerasii</b> Kloppenburg & Siar 2010	0.29 cm
2. <b>Hoya foxii</b> Kloppenburg 2014	0.29 cm
3. <b>Hoya ilagiorum</b> Kloppenburg, Siar & Cajano 2011	0.29 cm
4. <i>Hoya pentaphlebia</i> Merrill 1918	0.29 cm
5. <b>Hoya tsangii</b> C. M. Burton 1988	0.29 cm
6. <b>Hoya anncajanoae</b> Kloppenburg & Siar 2008	0.28 cm
7. <b>Hoya espaldoniana</b> Kloppenburg, Siar & Cajano 2014	0.28 cm
8. <i>Hoya obscura</i> Elmer ex C. M. Burton 1986	0.28 cm
9. <b>Hoya myrmecopa subsp. kapatalanensis</b> K et al	0.28 cm
10. <b>Hoya polilloensis</b> Klopp., Mendoza & Ferreras 2013	0.28 cm
11. <b>Hoya concava</b> Klopp., Siar, Guevara & Carandang	0.27 cm
12. <b>Hoya lambioae</b> Kloppenburg, et al 2013	0.27 cm
13. <b>Hoya linapauliana</b> Kloppenburg, Siar et al 2013	0.27 cm
14. <b>Hoya lucardenasia</b> Klopp., Siar & Cajano 2009	0.27 cm
15. <b>Hoya marizae</b> Kloppenburg & Mendoza 2013	0.27 cm
16. <b>Hoya memoria</b> Kloppenburg 2004	0.26 cm
17. <b>Hoya persicina subsp. rosea</b> Klopp., et al 2013	0.26 cm
18. <b>Hoya ignota</b> Kloppenburg, Siar & Cajano 2013	0.25 cm
19. <b>Hoya benitotanii</b> Kloppenburg 2010	0.25 cm
20. <i>Hoya cardiophylla</i> Merrill 1920	0.25 cm
21. <b>Hoya chiekoae</b> Klopp., Ferr.. & Mendoza 2012	0.25 cm
22. <i>Hoya diversifolia</i> Blume 1826	0.25 cm
23. <b>Hoya diversifolia subsp. el-nidicus</b> Klopp. 1991	0.25 cm
24. <b>Hoya gigantanganensis</b> Kloppenburg 1992	0.25 cm
25. <b>Hoya lagunaensis</b> Kloppenburg 2014	0.25 cm
26. <i>Hoya multiflora</i> Blume 1823	0.25 cm
27. <b>Hoya querinoensis</b> Kloppenburg & Siar 2007	0.25 cm
28. <b>Hoya quisumbingii</b> Kloppenburg 1992	0.25 cm
29. <b>Hoya blashernaeszii subsp. siariae</b> Klopp. 2002	0.25 cm
30. <b>Hoya surigaoensis</b> Klopp., Siar & Nyhuus 2010	0.25 cm
31. <b>Hoya vicencioana</b> Klopp., Siar, Cajano & Cara. 2013	0.25 cm
32. <b>Hoya bicolensis</b> Kloppenburg, Siar & Cajano 2013	0.24 cm
33. <b>Hoya carmelae</b> Kloppenburg, Siar & Ferreras 2010	0.24 cm
34. <b>Hoya gelba</b> Kloppenburg, Siar et al 2013	0.24 cm
35. <b>Hoya heuschkeliana</b> Kloppenburg 1989	0.23 cm
36. <i>Hoya merrillii</i> Schlechter 1904	0.23 cm
37. <b>Hoya apoensis</b> Kloppenburg & Siar 2011	0.22 cm
38. <b>Hoya eburnea</b> Kloppenburg, Guevarra, et al 2013	0.22 cm
39. <i>Hoya edanoi</i> Burton ex Kloppenburg 1991	0.22 cm



40. <i>Hoya imbricata</i> Decaisne 1844	0.21 cm
41. <b><i>Hoya marvinii</i></b> Klopp., Mendoza & Ferreras 2013	0.21 cm
42. <b><i>Hoya salmonea</i></b> Klopp., Mendoza & Ferreras 2013	0.21 cm
43. <b><i>Hoya bicknellii</i></b> Kloppenburg 1999	0.20 cm
44. <b><i>Hoya litii</i></b> Kloppenburg, Siar, & Cajano 2015	0.20 cm
45. <b><i>Hoya walliniana</i></b> Kloppenburg & Nyhuus 2003	0.20 cm

200. Coronal lobe length between 0.10 and .19 cm long / otherwise

1. <b><i>Hoya cupula</i></b> Kloppenburg, Mendoza & Ferreras 2013	0.19 cm
2. <b><i>Hoya heuschkeliana</i> subsp. <i>marionii</i></b> Klopp.,et 2014	0.19 cm
3. <b><i>Hoya moninae</i></b> Kloppenburg & Cajano 2014	0.19 cm
4. <b><i>Hoya apoensis</i> subsp. <i>sagittaria</i></b> Klopp., Siar & Ferr.	0.18 cm
5. <b><i>Hoya aurea</i></b> Klopp., Mendoza & Carandang 2013	0.18 cm
6. <b><i>Hoya breviaolata</i></b> Kleijn & Donkelaar 1999	0.18 cm
7. <b><i>Hoya celsa</i></b> Kloppenburg, Siar, Cajano et al 2013	0.18 cm
8. <b><i>Hoya davidcummingii</i></b> Kloppenburg 1995	0.18 cm
9. <b><i>Hoya pallilimba</i></b> Kleijn & Donkelaar 1999	0.18 cm
10. <b><i>Hoya tangerina</i></b> Klopp., Mendoza & Ferreras 2014	0.18 cm
11. <b><i>Hoya taytayensis</i></b> Kloppenburg & Siar 2013	0.18 cm
12. <b><i>Hoya pseudoleyntensis</i></b> Klopp., Mendoza et al 2013	0.17 cm
13. <b><i>Hoya unica</i></b> Kloppenburg, Mendoza & Ferreras 2013	0.17 cm
14. <b><i>Hoya panayensis</i></b> Kloppenburg & Siar 2009	0.16 cm
15. <b><i>Hoya rima</i></b> Kloppenburg, Mendoza & Ferreras 2014	0.16 cm
16. <b><i>Hoya salmonea</i> subsp. <i>pallida</i></b> Klopp. M. & F. 2013	0.16 cm
17. <b><i>Hoya acanthominima</i></b> Klopp., Mend.,& Ferreras 2013	0.15 cm
18. <b><i>Hoya bifunda</i></b> Klopp., et al 2013	0.15 cm
19. <b><i>Hoya corazoniae</i></b> Kloppenburg. Siar & Ferreras 2010	0.15 cm
20. <b><i>Hoya carandangiana</i></b> Kloppenburg, Siar et al 2014	0.15 cm
21. <b><i>Hoya kanlaonensis</i></b> Klopp., Siar & Ferreras 2010	0.15 cm
22. <b><i>Hoya loheri</i></b> Kloppenburg 1991	0.15 cm
23. <b><i>Hoya lucyae</i></b> Kloppenburg & Siar 2006	0.15 cm
24. <b><i>Hoya odetteae</i></b> Kloppenburg 1998	0.15 cm
25. <b><i>Hoya brittonii</i></b> Kloppenburg 1992	0.14 cm
26. <i>Hoya leyntensis</i> Elmer ex C. M. Burton 1988	0.14 cm
27. <b><i>Hoya unruhiana</i></b> Kloppenburg, Siar et al 2013	0.14 cm
28. <b><i>Hoya andalensis</i></b> Kloppenburg 2005	0.13 cm
29. <b><i>Hoya albida</i></b> Kloppenburg, Siar et al 2013	0.12 cm
30. <b><i>Hoya marananiae</i></b> Kloppenburg, Siar et al 2015	0.12 cm
31. <b><i>Hoya cupula</i></b> Kloppenburg, Mendoza & Ferreras 2013	0.12 cm
32. <b><i>Hoya amorosae</i></b> Green & Kloppenburg 2014	0.11 cm
33. <b><i>Hoya benstoneana</i></b> Kloppenburg, Siar et al 2013	0.11 cm
34. <b><i>Hoya bifunda</i> subsp. <i>integra</i></b> Kloppenburg, et al 2013	0.10 cm
35. <b><i>Hoya nakarensis</i></b> Klopp., Mendoza & Ferreras 2013	0.10 cm
36. <b><i>Hoya willimasiana</i></b> Kloppenburg, Siar et al 2013	0.10 cm

201. Coronal lobe length less than 0.09 cm / otherwise
202. Style crown ornate with finger or tubes extending over center (style) dome / otherwise
203. Stems normally with no leaves / otherwise
204. Corolla red, corona white / otherwise
1. *Hoya imperialis* Lindley 1846
  2. ***Hoya litii*** Kloppenburg, Siar, & Cajano 2015
205. Corolla & corona white / otherwise
1. ***Hoya albida*** Kloppenburg, Siar, Cajano & Carandang 2013
  2. *Hoya cagayanensis* C. M. Burton 1987
  3. *Hoya cembra* Kloppenburg 1990
  4. ***Hoya concava*** Kloppenburg, Siar, Guevara & Carandang 2014
  5. ***Hoya eburnea*** Kloppenburg, Guevarra & Carandang 2013
  6. ***Hoya pimenteliana*** Kloppenburg 1999
206. Corolla & corona red/rose to purplish colored / otherwise
1. ***Hoya acanthominima*** Kloppenburg, Mendoza & Ferreras 2013
  2. *Hoya alagensis* Kloppenburg 1990
  3. ***Hoya amorosae*** Green & Kloppenburg 2014
  4. *Hoya benguetensis* Schlechter 1906
  5. ***Hoya bicolensis*** Kloppenburg 2013
  6. ***Hoya bifunda* subsp. *integra*** Kloppenburg, et al 2013
  7. ***Hoya butleriana*** Kloppenburg, Siar, Guevarra & Carandang 2013
  8. ***Hoya blashernaezii* subsp. *valmayoriana*** Kloppenburg, Guevarra, & Carandang 2014
  9. *Hoya camphorifolia* Warburg 190410
  10. ***Hoya carmelae*** Kloppenburg, Siar, Ferreras 2010
  11. ***Hoya cupula*** Kloppenburg, Mendoza & Ferreras 2013
  12. ***Hoya espaldoniana*** Kloppenburg, Siar & Cajano 2014
  13. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014
  14. ***Hoya lambioae*** Kloppenburg, Cajano, Guevarra & Carandang 2013
  15. ***Hoya lucyae*** Kloppenburg & Siar 2006
  16. ***Hoya memoria*** Kloppenburg 2004
  17. ***Hoya pubicenta*** Kloppenburg, Mendoza & Ferreras 2014
  18. ***Hoya quisumbingii*** Kloppenburg 1992
  19. ***Hoya blashernaezii* subsp. *siariae*** Kloppenburg 2002
  20. ***Hoya santiagoi* subsp. *mandozaii*** Kloppenburg 2013
  20. ***Hoya soligamiana*** Kloppenburg & Siar 2008

21. **Hoya wayetii** Kloppenburg 1993
22. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015
207. Corolla & corona yellow / otherwise
1. **Hoya alwitriana** Kloppenburg Siar, Guevarra & Carandang 2012
  2. **Hoya apoensis** Kloppenburg & Siar 2011
  3. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
  4. **Hoya benitotanii** Kloppenburg 2010
  5. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
  6. **Hoya lagunaensis** Kloppenburg 2014
  7. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
  8. **Hoya odetteae** Kloppenburg 1998
  9. **Hoya platycaulis** Simonsson & Rodda 2009
  10. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
  11. *Hoya quinquinervia* Warburg 1904
  12. **Hoya salmonea** Kloppenburg, Mendoza & Ferreras 2013
  13. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
  14. **Hoya samarensis** Kloppenburg & Siar 2011
  15. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
  16. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
208. Corona with bilobes turned under at outer coronal lobe apex / otherwise
1. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
- 
209. Corona channel side lobes (inner ends) project like feet toward central column / otherwise
1. **Hoya bifunda** Kloppenburg, Siar & Cajano et al. 2013
  2. **Hoya bifunda subsp. integra** Kloppenburg, Siar & Cajano 2013
- 
210. Corolla with ligules at the sinuses / otherwise
211. Corolla with conduplicate lobes at sinus (ventral) / otherwise
1. **Hoya celata** Klopp., Siar, Mendoza, Cajano, Guevarra & Carandang 2013
  2. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
  3. *Hoya mindorensis* Schlechter 1906
  4. **Hoya mindorensis subsp. superba** Kloppenburg 2005
  5. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
  6. **Hoya platycaulis** Simonsson & Rodda 2009
  7. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
- 

8. **Hoya samarensis** Kloppenburg & Siar 2011
9. **Hoya skinneriana** Kloppenburg & Wayman 2011

212. Calyx base bulbous / otherwise

1. **Hoya apoensis** Kloppenburg & Siar 2011
2. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar & Ferreras 2013
3. **Hoya bicoloris** Kloppenburg, Siar, & Cajano 2013
4. **Hoya blashernaezii** Kloppenburg 1999
5. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
6. **Hoya cremora** Kloppenburg, Mendoza & Ferreras
7. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
8. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
9. **Hoya krohniana** Kloppenburg & Siar 2009
10. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
11. **Hoya meliflua subsp. fraterna** T. Green 1995
12. **Hoya memoria** Kloppenburg 2004
13. *Hoya pentaphlebia* Merrill 1918
14. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
15. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
16. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
18. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015



213. Corona outer lobe apex split (bilobed) / otherwise

1. **Hoya golamcoana** Kloppenburg 1991
2. *Hoya palawanica* Kloppenburg 1990
3. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2013



214. Corona outer lobe apex triplex / otherwise

215. Corona dorsal with shoulders (2) just out from inner lobe apex same as #85 / otherwise

1. **Hoya chiekoae** Kloppenburg, Ferreras & Mendoza 1012
2. **Hoya wayetii** Kloppenburg 1993

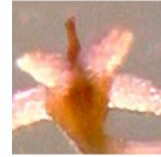
216. Calyx ligules multiple more than one at a sinus.

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. **Hoya fitchii** Kloppenburg 2009
3. **Hoya marionmendozai** Klopp., Mendoza & Ferreras 2013
4. **Hoya memoria** Kloppenburg 2004
5. **Hoya monetteae** T. Green 2004
6. **Hoya quisumbingii** Kloppenburg 1992



217. Ovaries linear (long and narrow/ otherwise)

1. **Hoya brittonii** Kloppenburg 1992
2. **Hoya burtoniae** Kloppenburg 1990
3. **Hoya celata** Klopp., Siar, Cajano, Carandang & Guevarra 2013
4. **Hoya heuschkeliana subsp. cajanoae** Klopp., & Siar 2007
5. **Hoya heuschkeliana subsp. marionii** Klopp. & Ferreras 2013
6. **Hoya linavergarae** Kloppenburg & Siar 2006
7. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
8. **Hoya rosarioae** Kloppenburg & Siar 2008
9. **Hoya rizaliana** Kloppenburg 1991



218. Ovaries columnar / otherwise

1. **Hoya acanthominima** Klopp., Mend., & Ferreras 2013
2. **Hoya aurantiaca** Kloppenburg 2009
3. **Hoya aurea** Kloppenburg
4. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
5. **Hoya carandangiana** Kloppenburg & Siar 2014
6. **Hoya carmelae** Kloppenburg Siar & Ferreras, 2010
7. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
8. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
9. **Hoya darwinii** Loher 1910
10. **Hoya densifolia** Turczaninow 1848
11. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
12. **Hoya estrellaensis** T. Green & D. Kloppenburg 2012
13. **Hoya imperialis** Lindley 1846
14. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras
15. **Hoya kanloensis** Kloppenburg, Siar & Ferreras 2010
16. **Hoya lagunaensis** Kloppenburg 2014
17. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
18. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
19. **Hoya monetteae** Green 2004
20. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
21. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
22. **Hoya pimenteliana** Kloppenburg 1999
23. **Hoya platicaulis** Simonsson & Rodda 2010
24. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
25. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
26. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
27. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
28. **Hoya skinneriana** Kloppenburg & Wayman 2011
29. **Hoya soligamiana** Kloppenburg & Siar 2009
30. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
31. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013



32. **Hoya williamsiana** Klopp., Siar, Mendoza, Guevarra & Carandang 2013

219. Ovaries dome shaped / otherwise

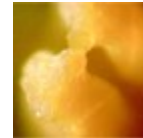
1. **Hoya anncajanoae** Kloppenburg & Siar 2008
2. **Hoya aurigueana** Kloppenburg Siar & Cajano et al. 2013
3. **Hoya benstoneana** Kloppenburg, Siar, Cajano et al. 2013
4. **Hoya benvergarae** Kloppenburg & Siar 2008
5. **Hoya bicolor** Kloppenburg 2003
6. **Hoya bifunda** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
7. **H. blashernaezii subsp. siariae** Kloppenburg 2000
8. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra & Carandang 2014
9. *Hoya bordenii* Schlechter 1906
10. **Hoya butleriana** Kloppenburg, Siar et al 2013
11. *Hoya cagayanensis* Burton 1987
12. *Hoya cardiophylla* Merrill 1920
13. **Hoya chiekoae** Kloppenburg, Mendoza & Ferreras 2012
14. **Hoya corazoniae** Kloppenburg, Siar, & Ferreras 2010
15. **Hoya crassicaulis** Kloppenburg 1995
16. **Hoya diversifolia subsp. el-nidicus** Kloppenburg 1991
17. **Hoya ferrerasii** Kloppenburg & Siar 2010
18. **Hoya fitchii** Kloppenburg 2010
19. **Hoya foxii** Kloppenburg 2014
20. **Hoya gelba** Kloppenburg, Siar & Cajano 2013
21. **Hoya gigantanganensis** Kloppenburg 1992
22. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
23. **Hoya ilagiorum** Kloppenburg & Siar 2011
24. **Hoya imbricata** Decaisne 1844
25. **Hoya imperialis** Lindley 1846
26. **Hoya incrassata** Warburg 1904
27. **Hoya juannguoana** Kloppenburg 2002
28. **Hoya lambioae** Kloppenburg, Guevarra, Cajano & Carandang 2013
29. **Hoya landgrantensis** Kloppenburg & Siar 2009
30. **Hoya lazaroii** Kloppenburg & Siar 2008
31. **Hoya linapauliana** Kloppenburg, Siar & Ferreras 2013
32. **Hoya linapauliana Subsp. verida** Klopp., Siar, Cajano & Carandang 2013
33. **Hoya lucardenasiana** Kloppenburg & Siar 2009
34. **Hoya marananiae** Kloppenburg, Siar, Guevarra & Carandang 2015
35. **Hoya mcgregorii** Schlechter 1906
36. **Hoya mindorensis** Schlechter 1906
37. **Hoya mindorensis subsp. superba** Kloppenburg 2005
38. **Hoya moninae** Kloppenburg & Cajano 2014
39. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013



40. **Hoya panayensis** Kloppenburg & Siar 2009
41. **Hoya paziae** Kloppenburg 1990
42. **Hoya pentaphlebia** Merrill 1918
43. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
44. **Hoya querinoensis** Kloppenburg & Siar 2007
45. **Hoya salmonea** Kloppenburg, Mendoza & Ferreras 2013
46. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Guevarra, & Carandang 2013
47. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

220. Ovary apex modified ends turn in and touch in center “kissing” / otherwise

1. **Hoya bandongii** Kloppenburg & Ferreras 2011
2. **Hoya gelba** Kloppenburg, Siar, & Cajano 2013
3. **Hoya imperialis** Lindley 1846
4. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013



221. Ovary apex modified with a lip on apex.

1. **Hoya amorosae** Green & Kloppenburg 2014
2. **Hoya bifunda subsp. integra** Kloppenburg, Mendoza et al 2013
3. **Hoya bilobata** Schlechter 1906
4. **Hoya gigantanganensis** Kloppenburg 1992
5. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
6. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013

222. Ovary apex modified apex with short spike like extensions / otherwise.

1. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
2. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013



223. Ovary with a narrowing as it approaches the apex “bottle neck shaped”

1. **Hoya amorosae** Green & Kloppenburg 2014
2. **Hoya bilobata** Schlechter 1906
3. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
4. **Hoya curtis-porcelana** Suarez, Sahagun & Aurigue 2013
5. **Hoya davidcummingii** Kloppenburg 1995
6. **Hoya golamcoana** Kloppenburg 1991
7. **Hoya greenii** Kloppenburg 1995
8. **Hoya heuschkeliana** Kloppenburg 1989
9. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014
10. **Hoya krohniana** Kloppenburg & Siar 2009
11. **Hoya loheri** Kloppenburg 1991





12. **Hoya lucyae** Kloppenburg & Siar 2006
13. **Hoya memoria** Kloppenburg 2004
14. **Hoya multiflora** Blume 1823
15. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 1013
16. **Hoya ramosii** Kloppenburg & Siar 2007
17. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
18. **Hoya vicencionana** Kloppenburg, Siar, Cajano & Carandang 2013

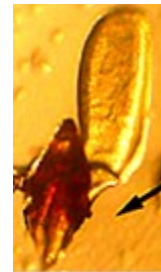
224. Pollinia with inner apex truncate. “S”

1. **Hoya benitotanii** Kloppenburg 2010
2. **Hoya davidcummingii** Kloppenburg 1995
3. *Hoya obscura* Elmer ex C. M. Burton 1986
4. *Hoya pentaphlebia* Merrill 1918



225. Pollinia with inner apex rounded “R”

1. **Hoya albida** Klopp., Siar, Cajano & Carandang 2013
2. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
3. **Hoya apoensis ssp. sagittaria** Klop., Siar & Ferreras 2010
4. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
5. **Hoya bandongii** Kloppenburg & Ferreras 2011
6. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
7. **Hoya bifunda** Kloppenburg, Siar & Cajano et 2013
8. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
9. *Hoya bilobata* Schlechter 1906
10. **Hoya blashernaezii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
11. *Hoya bordenii* Schlechter 1906
12. **Hoya cembra** Kloppenburg 1990
13. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
14. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013
15. **Hoya cremora** Kloppenburg, Mendoza & Ferreras
16. *Hoya darwinii* Loher 1910
17. **Hoya davaoensis** Kloppenburg 2013
18. *Hoya fischeriana* Warburg 1904
19. **Hoya fitchii** Kloppenburg 2009
20. **Hoya foxii** Kloppenburg 2014
21. **Hoya golamcoana** Kloppenburg 1991
22. **Hoya greenii** Kloppenburg 1995
23. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
24. **Hoya heuschkeliana subsp. marionii** Kloppenburg & Ferreras 2014
25. *Hoya imbricate* Decaisne 1844
26. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
27. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014



28. **Hoya lagunaensis** Kloppenburg 2014
29. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
30. **Hoya linavergarae** Kloppenburg & Siar 2006
31. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
32. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
33. **Hoya mindorensis** Schlechter 1906
34. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014
35. **Hoya mindorensis subsp. superba** Kloppenburg 2005
36. *Hoya minutiflora* Rodda & Simonsson 2010
37. **Hoya moninae** Kloppenburg & Cajano 2014
38. *Hoya multiflora* Blume 1823
39. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
40. *Hoya odorata* Schlechter 1906
41. *Hoya palawanica* Kloppenburg 1990
42. *Hoya paziae* Kloppenburg 1990
43. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
44. **Hoya persicina subsp. rosea** Klopp., Guev., Mendoza & Ferreras 2013
45. **Hoya platicaulis** Simonson & Rodda 2005
46. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013
47. **Hoya pseudoleytenis** Kloppenburg, Mendoza & Carandang 2013
48. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
49. **Hoya purificacioniae** Kloppenburg & Siar 2013
50. **Hoya ramosii** Kloppenburg & Siar 2007
51. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
52. **Hoya skinneriana** Kloppenburg 2011
53. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
54. **Hoya taytayensis** Kloppenburg & Siar 2013
55. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
56. **Hoya vicencioana** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2013
57. **Hoya weebella** Kloppenburg 2005

226. Pollinia with apex tapered centrally (inward surfaces rounded) “T”

1. **Hoya afungae** Kloppenburg & Cajano 2015
2. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012
3. **Hoya anncajanoae** Kloppenburg & Siar 2008
4. **Hoya apoensis** Kloppenburg & Siar 2011
5. **Hoya aurea** Kloppenburg, Mendoza & Carandang 2013
6. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
7. *Hoya benguetensis* Schlechter 1906
8. **Hoya benitotanii** Kloppenburg 2010
9. **Hoya benvergarae** Kloppenburg & Siar 2008
10. **Hoya bicknellii** Kloppenburg 1999
11. **Hoya bicolensis** Kloppenburg 2000
12. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002



13. **Hoya burtoniae** Kloppenburg 1990
14. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013
15. *Hoya cagayanensis* C. M. Burton 1987
16. *Hoya cardiophylla* Merrill 1920
17. *Hoya crassicaulis* Elmer ex Kloppenburg 1995
18. *Hoya cumingiana* Decaisne 1844
19. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
20. *Hoya curtis-porcelana* Suarez, Sahagun & Aurigue 2013
21. *Hoya densifolia* Turczaninow 1848
22. **Hoya diversifolia subsp el-nidicus** Kloppenburg 1991
23. *Hoya edanoi* Burton ex Kloppenburg 1991
24. **Hoya espadoniana** Kloppenburg, Siar, & Cajano 2014
25. **Hoya ferrerasii** Kloppenburg & Siar 2010
26. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
27. **Hoya gigantanganensis** Kloppenburg 1992
28. **Hoya heuschkeliana** Kloppenburg 1989
29. **Hoya ignota** Kloppenburg, Siar & Cajano 2012
30. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
31. *Hoya imbricata* Decaisne 1844
32. *Hoya incrassata* Warburg 1904
33. **Hoya juannguoana** Kloppenburg 2002
34. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
35. **Hoya krohniana** Kloppenburg & Siar 2009
36. **Hoya lagunaensis** Kloppenburg 2014
37. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
38. **Hoya lucardenasia** Kloppenburg, Siar & Cajano 2009
39. **Hoya lucyae** Kloppenburg & Siar 2006
40. *Hoya mcgregorii* Schlechter 1906
41. **Hoya meliflua** (Blanco) Merrill 1918
42. **Hoya meliflua subsp. fraterna** T. Green 1995
43. *Hoya merrillii* Schlechter 1904
44. **Hoya monetteae** T. Green 2004
45. **Hoya odetteae** Kloppenburg 1998
46. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
47. **Hoya pimenteliana** Kloppenburg 1999
48. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
49. **Hoya querinoensis** Kloppenburg & Siar 2007
50. **Hoya quisumbingii** Kloppenburg 1992
51. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
52. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
53. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
54. **Hoya soligamiana** Kloppenburg & Siar 2009
55. **Hoya pseudoleytensis** Klopp., Mendoza, Guevarra & Carandang 2013
56. **Hoya tsangii** Burton ex Kloppenburg 1988
57. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
58. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013

59. **Hoya wayetii** Kloppenburg 1993
60. **Hoya williamsiana** Klopp., Siar, Mendoza, Guevarra & Carandang 2013

227. Pollinia with apex tapered centrally (inward surfaces flat) “F”



1. **Hoya acanthominima** Klopp., Mend., & Ferreras 2013
2. **Hoya amorosoae** T. Green & Kloppenburg 2014
3. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013
4. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
5. **Hoya blashernaезii** Kloppenburg 1999
6. **Hoya brittonii** Kloppenburg 1992
7. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
8. **Hoya chiekoae** Kloppenburg, Mendoza & Ferreras 2012
9. *Hoya kentiana* Burton 1991
10. *Hoya leytensis* (Elmer) ex Burton
11. **Hoya loheri** Kloppenburg 1991
12. **Hoya memoria** Kloppenburg 2004
13. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014
14. *Hoya quinquinervia* Warburg 1904
15. **Hoya ralphdavisiana** Klopp., Mendoza, Guevarra & Carandang 2013
16. **Hoya rizaliana** Kloppenburg 1991
17. **Hoya samarensis** Kloppenburg & Siar 2011
18. **Hoya wibergiae** Kloppenburg 2001

228. Pollinia inner apices of two types one rounded “R” and one tapered “T”



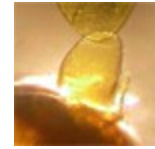
1. **Hoya benstoneana** Klopp., Siar, Men., Guev. & Carandang 2013
2. **Hoya bicolor** Kloppenburg 2003
3. **Hoya buotii** Kloppenburg 2002
4. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
5. **Hoya celata** Klopp., Siar, Mend., Cajano & Car. 2013
6. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
7. **Hoya davaoensis** Kloppenburg
8. **Hoya eburnea** Kloppenburg, Guevarra & Carandang 2013
9. **Hoya estrellaensis** T. Green & Kloppenburg 2012
10. **Hoya lazeroi** Kloppenburg & Siar 2008
11. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya myrmecopa subsp. kapatalanensis** Klopp., Siar, Cajano, et al, 2014
13. **Hoya perangensis** Kloppenburg, Siar, Guevarra, Cajano & Carandang 2013
14. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
15. **Hoya querinoensis** Kloppenburg & Siar 2007
17. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014
18. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

229. Pollinia external base expanded outward. “FT”

1. *Hoya imbricate* basisubcordata Koorders 1919

230. Caudicle clear

1. ***Hoya alwitriana*** Kloppenburg, Siar, Guevarra & Carandang 2012
2. ***Hoya amrita*** Kloppenburg, Siar & Ferreras 2011
3. ***Hoya anncajanoae*** Kloppenburg & Siar 2008
4. ***Hoya aurantiaca*** Kloppenburg, Siar & Cajano 2009
6. ***Hoya benvergarae*** Kloppenburg & Siar 2008
7. ***Hoya bicolor*** Kloppenburg 2000
8. ***Hoya bifunda*** Kloppenburg Siar, Cajano, Guevarra & Carandang 2013
9. ***Hoya bifunda* subsp. *integra*** Kloppenburg, Siar, Mendoza, et al 2013
10. ***Hoya blashernaezii*** Kloppenburg 1999
11. ***Hoya blashernaezii* subsp. *valmayoriana*** Kloppenburg, Guevarra, & Carandang 2014
12. *Hoya cardiophylla* Merrill 1920
13. ***Hoya chiekoae*** Kloppenburg, Ferreras & Mendoza 2012
14. ***Hoya coriacea* subsp. *philippinensis*** Kloppenburg, Siar & Ferreras 2013
15. ***Hoya davidcummingii*** Kloppenburg 1996
16. ***Hoya ferrerasii*** Kloppenburg & Siar 2010
17. ***Hoya fitchii*** Kloppenburg 2009
18. ***Hoya heuschkeliana*** Kloppenburg 1989
19. ***Hoya heuschkeliana* subsp. *cajanoae*** Kloppenburg & Siar 2007
20. ***Hoya heuschkeliana* subsp. *marionii*** Kloppenburg & Ferreras 2014
21. ***Hoya ignota*** Kloppenburg, Siar & Cajano 2013
22. *Hoya imperialis* Lindley 1846
23. ***Hoya irisae*** Ferreras, Kloppenburg & Tandang 2014
24. ***Hoya juannguoana*** Kloppenburg 2002
25. ***Hoya lagunaensis*** Kloppenburg 2014
26. ***Hoya lambioae*** Kloppenburg, Guevarra, Cajano, & Carandang 2014
27. ***Hoya landgrantensis*** Kloppenburg, Siar & Cajano 2009
28. ***Hoya lazeroi*** Kloppenburg & Siar 2007
29. ***Hoya loheri*** Kloppenburg 1991
30. ***Hoya marvinii*** Kloppenburg, Mendoza & Ferreras 2013
31. ***Hoya memoria*** Kloppenburg 2004
32. *Hoya mindorensis* Schlechter 1906
33. ***Hoya mindorensis* subsp. *superba*** Kloppenburg 2005
34. ***Hoya myrmecopa* subsp. *kapatalanensis*** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014
35. ***Hoya nakarensis*** Kloppenburg, Mendoza & Ferreras 2013
36. ***Hoya obscure*** Elmer es Burton 1986
37. *Hoya odorata* Schlechter 1906
38. *Hoya paziae* Kloppenburg 1990
39. ***Hoya persicina*** Klopp., Siar, Mendoza, Guevarra & Carandang 2013



40. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
41. **Hoya purificacioniae** Kloppenburg & Siar 2013
42. **Hoya ralphdavisiana** Kloppenburg, Mendoza & Ferreras 2014
43. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
44. **Hoya rizaliana** Kloppenburg 1991
45. **Hoya rosarioae** Kloppenburg & Siar 2013
46. **Hoya skinneriana** Kloppenburg 2011
47. **Hoya soligamiana** Kloppenburg & Siar 2009
48. **Hoya surigaensis** Kloppenburg, Siar & Nuhuus 2010
49. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
50. **Hoya wayetii** Kloppenburg 1993
51. **Hoya williamsiana** Kloppenburg, Siar, Mendoza, Cajano, Guevarra & Carandang 2013

231. Caudicles surface granulate

1. **Hoya afungae** Kloppenburg & Cajano 2015
2. **Hoya apoensis** Kloppenburg & Siar 2010
3. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar & Ferreras 2013
4. **Hoya aurigueana** Kloppenburg, Siar & Cajano 2013
5. *Hoya benguetensis* Schlechter 1908
6. **Hoya bicknellii** Kloppenburg 1999
7. **Hoya bicolensis** Kloppenburg, Siar, Ferreras & Mendoza 2012
8. **Hoya blashernaезii subsp siariae** Kloppenburg 2002
9. **Hoya brittonii** Kloppenburg 1992
10. **Hoya burtoniae** Kloppenburg 1990
11. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
12. **Hoya espaldoniana** Kloppenburg, Siar & Cajano 2014
13. **Hoya gelba** Kloppenburg, Guevarra & Carandang 2013
14. **Hoya golamcoiana** Kloppenburg 1991
15. *Hoya imbricata* Decaisne 1844
16. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
17. **Hoya kanlaensis** Kloppenburg, Siar & Ferreras 2010
18. *Hoya kentiana* Burton 1991
19. **Hoya laguniaensis** Kloppenburg 2014
20. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
21. **Hoya macgregorii** Schlechter 1906
22. **Hoya mindorensis subsp. mendozae** 2014
23. **Hoya persicina subsp. rosea** **Kloppenburg**, Mendoza & Ferreras 2013
24. **Hoya pimenteliana** Kloppenburg 1999
25. **Hoya polilloensis** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
26. **Hoya pseudoleytenis** Kloppenburg, Mendoza, Guevarra & Carandang 2013
27. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013
28. **Hoya salmonea** Kloppenburg, Mendoza & Ferreras 2013
29. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 1013
30. **Hoya tangerina** Kloppenburg, Mendoza & Ferreras 2014

31. **Hoya williamoliveriana** Kloppenburg, Cajano & Hadsall 2015

232. Caudicles beyond translators, expansive

1. **Hoya espadoniana** Kloppenburg, Siar, & Cajano 2014



233. Caudicles rectangular with some dorsal modifications/ otherwise.

1. **Hoya mindorensis subsp. superba** Kloppenburg 2005

2. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014

234. Stems without adventitious rooting

1. **Hoya cembra** Kloppenburg 1990

2. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013

3. *Hoya cumingiana* Decaisne 1844

4. **Hoya golamcoana** Kloppenburg 1991

5. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014

6. **Hoya linavergarae** Kloppenburg & Siar 2006

7. *Hoya multiflora* Blume 1823

8. **Hoya odorata** Schlechter 1906

9. **Hoya paziae** Kloppenburg 1990

10. **Hoya platicaulis** Simonson & Rodda 2005



235. Bulbous outer coronal lobes.

1. **Hoya bulbosa** Kloppenburg & Cajano 2015



236. Retinaculum elongate, long & narrow.

1. **Hoya apoensis subsp. sagittaria** Kloppenburg, Siar, & Ferreras 2013

2. **Hoya alwitriana** Kloppenburg, Siar, Guevarra & Carandang 2012

3. *Hoya benguetensis* Schlechter 1906

4. **Hoya bicolor** Kloppenburg 2003

5. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013

6. **Hoya coriacea subsp. philippinensis** Kloppenburg, Siar & Ferreras 2013

7. *Hoya crassicaulis* Elmer ex Kloppenburg 1995

8. **Hoya estrellaensis** T. Green & Kloppenburg 2012

9. **Hoya golamcoana** Kloppenburg 1991

10. *Hoya imbricate* Decaisne 1844

11. *Hoya incrassata* Warburg 1904

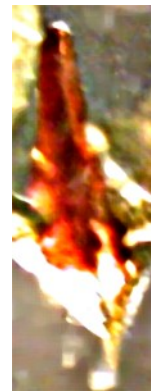
12. **Hoya irisae** Ferreras, Kloppenburg & Tandang 2014

13. **Hoya juannguana** Kloppenburg 2002

14. **Hoya polilloensis** Kloppenburg, Mendoza & Ferreras 2013

15. **Hoya skinneriana** Kloppenburg 2011

16. **Hoya wayetii** Kloppenburg 1993



237. Retinaculum shield shaped (head, shoulders, waist, hip & legs).



1. **Hoya acanthominima** Klopp., Mendoza & Ferreras 2013
2. **Hoya albida** Kloppenburg, Siar, Cajano & Carandang 2013
3. **Hoya amorosae** Green & Kloppenburg 2014
4. **Hoya anncajanoae** Kloppenburg & Siar 2008
5. **Hoya apoensis** Kloppenburg & Siar 2011
6. **Hoya aurantiaca** Kloppenburg, Siar & Cajano 2009
7. **Hoya aurigueana** Kloppenburg, Siar, Cajano & Carandang 2013
8. **Hoya bebsguevarrae** Kloppenburg & Carandang 2013
9. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
10. **Hoya benvergarae** Kloppenburg & Siar 2008
11. **Hoya bicolensis** Kloppenburg, Siar & Cajano 2013
12. **Hoya bifunda** Kloppenburg, Siar & Cajano et 2013
13. **Hoya blashernaeszii subsp. siariae** Kloppenburg 2002
14. **Hoya blashernaeszii subsp. valmayoriana** Kloppenburg, Guevarra, & Carandang 2014
15. **Hoya bilobata** Schlechter 1906
16. **Hoya carandangiana** Kloppenburg, Siar, Cajano & Guevarra 2014
17. **Hoya celsa** Kloppenburg, Siar, Cajano & Carandang 2013
18. **Hoya chiekoae** Kloppenburg. Ferreras & Mendoza 2012
19. **Hoya concava** Kloppenburg, Siar, Guevara & Carandang 2014
20. **Hoya corazoniae** Kloppenburg, Siar & Ferreras 2010
21. **Hoya cupula** Kloppenburg, Mendoza & Ferreras 2013
22. **Hoya davaoensis** Kloppenburg 2013
23. **Hoya bordenii** Schlechter 1906
24. **Hoya fitchii** Kloppenburg 2009
25. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
26. **Hoya gigantanganensis** Kloppenburg 1992
27. **Hoya krohniana** Kloppenburg & Siar 2009
28. **Hoya isabelaensis** Kloppenburg, Siar & Ferreras 2011
29. **Hoya landgrantensis** Kloppenburg, Siar & Cajano 2009
30. **Hoya lazeroi** Kloppenburg & Siar 2008
31. **Hoya loheri** Kloppenburg 1991
32. **Hoya lucyae** Kloppenburg & Siar 2006
33. **Hoya marananiae** Kloppenburg, Siar, Cajano & Carandang 2015
34. **Hoya mcgregorii** Schlechter 1906
35. **Hoya memoria** Kloppenburg 2004
36. **Hoya moninae** Kloppenburg & Cajano 2014
37. **Hoya myrmecopa subsp. kapatalanensis** Kloppenburg, Siar, Cajano, Guevarra & Carandang 2014
38. **Hoya nakarensis** Kloppenburg, Mendoza & Ferreras 2013
39. **Hoya odetteae** Kloppenburg 1998
40. **Hoya perangensis** Kloppenburg, Siar & Cajano 2013
41. **Hoya persicina** Kloppenburg, Siar, Mendoza, Guevarra & Carandang 2013
42. **Hoya pseudoleytenis** Kloppenburg, Mendoza & Carandang 2013
43. **Hoya pseudomaxima** Koorders 1918



44. **Hoya querinoensis** Kloppenburg & Siar 2007
45. *Hoya quinquinervia* Warburg 1904
46. **Hoya ralphdavisiana** Kloppenburg, Mendoza, Guevarra & Carandang 2013
47. **Hoya rima** Kloppenburg, Mendoza & Ferreras 2014
48. **Hoya salmonea** Kloppenburg, Guevarra, Mendoza & Ferreras 2013
49. **Hoya salmonea subsp. pallida** Kloppenburg, Mendoza & Ferreras 2013
50. **Hoya soligamiana** Kloppenburg & Siar 2009
51. **Hoya surigaoensis** Kloppenburg, Siar & Nuhuus 2010
52. **Hoya soligamiana** Kloppenburg & Siar 2009
53. **Hoya unruhiana** Kloppenburg, Siar, Mendoza, Cajano et al 2013
54. **Hoya willimasiana** Kloppenburg, Siar, Mendoza, et al 2013

238. Retinaculum shield shaped, head dome shaped.

1. **Hoya buotii** Kloppenburg 2002
2. **Hoya celata** Kloppenburg, Siar, Mendoza, Cajano & Carandang 2013
3. *Hoya cumingiana* Decaisne 1844
4. *Hoya darwinii* Loher 1910
5. *Hoya densifolia* Turczaninow 1848
6. **Hoya ilagiorum** Kloppenburg, Siar & Cajano 2011
7. *Hoya imbricate* Decaisne 1844
8. *Hoya imperialis* Lindley 1846
9. **Hoya lagunaensis** Kloppenburg 2014
10. **Hoya lambioae** Kloppenburg, Cajano, Guevarra & Carandang 2013
11. **Hoya litii** Kloppenburg, Siar, & Cajano 2015
12. *Hoya odorata* Schlechter 1906
13. *Hoya paziae* Kloppenburg 1990
14. **Hoya ramosii** Kloppenburg & Siar 2007
15. **Hoya rizaliana** Kloppenburg 1991
16. **Hoya taytayensis** Kloppenburg & Siar 2013
17. **Hoya wibergiae** Kloppenburg 2001
18. **Hoya williamoliveriana** Klopp., Cajano & Hadsall 2015



239. Retinaculum shield shaped, head elongated.

1. **Hoya amrita** Kloppenburg, Siar & Ferreras 2011
2. **Hoya carmelae** Kloppenburg, Siar & Ferreras 2010
3. **Hoya ferrerasii** Kloppenburg & Siar 2010
4. **Hoya bandongii** Kloppenburg & Ferreras 2011
5. *Hoya bordenii* Schlechter 1906
6. **Hoya linavergarae** Kloppenburg & Siar 2006
7. **Hoya meliflua subsp. fraterna** T. Green 1995
8. *Hoya multiflora* Blume 1823
9. *Hoya pentaphlebia* Merrill 1918
10. **Hoya persicina subsp. rosea** Klopp., Guevarra, Mendoza & Ferreras 2013
11. **Hoya pubicenta** Kloppenburg, Mendoza & Ferreras 2014
12. **Hoya pubicorolla** Kloppenburg, Mendoza & Ferreras 2013
13. **Hoya pubicorolla subsp. anthracina** Klopp., Mendoza & Ferreras 2013



14. **Hoya samarensis** Kloppenburg & Siar 2011
15. **Hoya santiagoi subsp. mandozaii** Kloppenburg 2013
16. **Hoya benstoneana** Kloppenburg, Siar, Guevarra & Carandang 2013
17. **Hoya stoneana** Kloppenburg & Siar 2006

240 Retinaculum no shoulders or slight.

1. **Hoya benitotanii** Kloppenburg 2010
2. **Hoya bicknellii** Kloppenburg 1999
3. **Hoya bifunda subsp. integra** Kloppenburg, Siar, Mendoza, et al 2013
4. **Hoya brittonii** Kloppenburg 1992
5. **Hoya burtoniae** Kloppenburg 1990
6. **Hoya davidcummingii** Kloppenburg 1995
7. **Hoya ignota** Kloppenburg, Siar & Cajano 2013
8. **Hoya kanlaonensis** Kloppenburg, Siar & Ferreras 2010
9. **Hoya lucardenasia** Kloppenburg, Siar & Cajano 2009
10. **Hoya marvinii** Kloppenburg, Mendoza & Ferreras 2013
11. **Hoya tsangii** Burton ex Kloppenburg 1988
12. **Hoya unica** Kloppenburg, Mendoza & Ferreras 2013
13. **Hoya weebella** Kloppenburg 2005



241. Retinaculum with long shoulders (flat)

1. *Hoya cardiophylla* Merrill 1920
2. *Hoya fischeriana* Warburg 1904
3. *Hoya obscura* Elmer ex C. M. Burton 1986

242. Retinaculum round legs hidden.

1. **Hoya mindorensis subsp. mendozae** Kloppenburg & Ferreras 2014

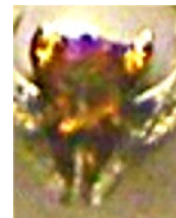
243. Retinaculum round legs showing.

1. **Hoya blashernaezii** Kloppenburg 1999
2. *Hoya cagayanensis* C. M. Burton 1987
3. **Hoya heuschkeliana subsp. cajanoae** K & S 2007
4. *Hoya mindorensis* Schlechter 1906
5. **Hoya mindorensis subsp. superba** Kloppenburg 2005
6. **Hoya pimenteliana** Kloppenburg 1999



244. Retinaculum with shoulder ends up (hands up).

1. **Hoya bifunda** Klopp., Siar, Mendoza, Cajano, Guevarra & Carandang 2013
2. **Hoya gelba** Kloppenburg, Siar, Guevarra & Carandang 2013
3. *Hoya mcgregorii* Schlechter 1906
4. **Hoya monetteae** T. Green 2004



245. Retinaculum arms along sides.

1. **Hoya butleriana** Kloppenburg, Siar, Guevarra & Carandang 2013

246. Retinaculum horns on head.

1. **Hoya benitotanii** Kloppenburg 2010
2. *Hoya mindorensis* Schlechter 1906



### Photos of Hoya Structural Parts in Sequence



1) Plant a bush.



2) Plant  
dangling.



4) Square stem





5) Leaf nerves palmate.



6) Leaf nerves plinerved.

7) Leaf nerves anastomosing.



8) Leaf blade imbricate.



9) Leaf blade pressed to the substrate.



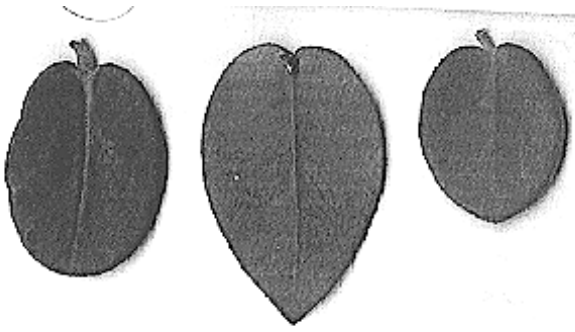
10) Leaf nerves lighter color than the blade.



11) Leaf nerves darker than the surface.



12) Leaf terete.



13) Leaf blade ovate to obcordate.



14) Leaf blade long, enervis, dorsal concave.



15) Leaf blade thick (drought resistant).



16) Leaf blade long, enervis dorsal convex.





17) Leaf blade 10X longer than wide.



18) Leaf blade 5X-9X longer than wide.



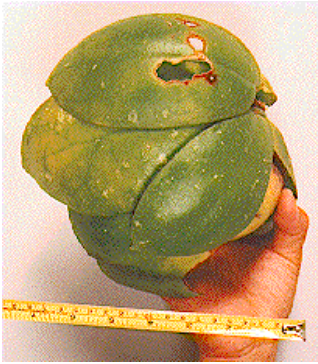
19) Leaves with indumentum on both surfaces.



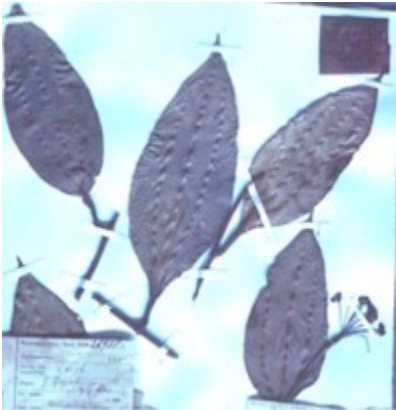
20) Leaf blade with indumentum on lower surface.



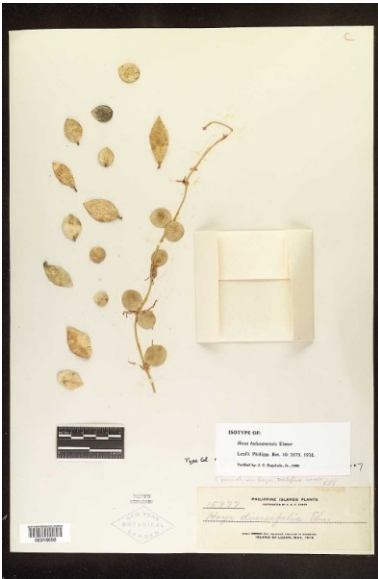
21) Leaf secondary nerves perpendicular to the midrib.



22) Leaves  
more than 2 at a node.



23) Leaf one at a node, one aborts occasionally.



24) Leaves dimorphic of two types (round & elliptic).



25) Leaf with no (petiole (sessile) or nearly so.



26) leaf base cordate.



27) Leaf base cuneate.



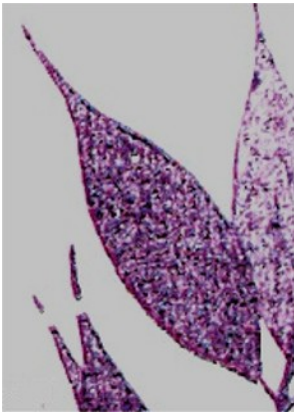
28) Leaf edge undulate.



29) Leaf margins recurved or involuted.



30) Leaf edge dark colored.



31) Leaf apex acuminate.



32) Leaf apex mucronate.





33) Leaf apex truncate to emarginate.



34) Petiole grooved above.



35) Peduncles multiple.



36) Peduncle none, Sessile.



37) Peduncles 15 cm longer more.

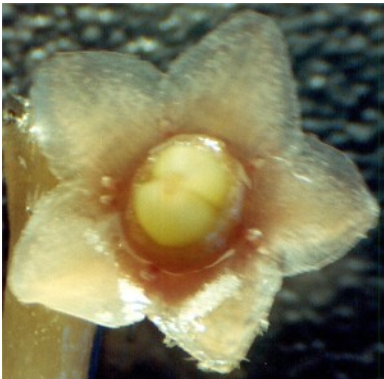




38) Pedicels curved, of varying lengths.



39) Pedicels with indumentum.

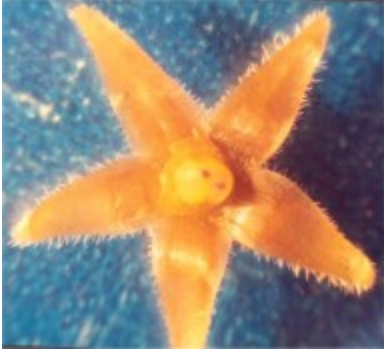


40) Sepals round or nearly so.

212) multiple ligules at the sinuses.



41) Sepals linear.



42) Sepals ciliate.



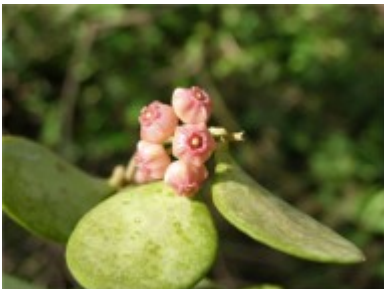
43) Sepals extend to the corolla sinuses or beyond.



44) Sepals with ligulate ciliate extensions around the ovaries.

45) Ovaries multiple.

46) Ovaries with hair cells.



47) Corolla urceolate.



48) Corolla campanulate.



49) Corolla revolute.



50) Corolla reflexed.



51) Corolla rotate.



52) Corolla lobes cupped forward claw like.





53) Corolla inside glabrous.



54) Corolla both surfaces glabrous.



55) Corolla both surfaces pubescent.



56) Corolla dorsal surface pubescent margined.



57) Corolla inner surface edged with stellate hairs.



58) Basal inside part covered by long, slender, woolly hairs.



59) Corolla hirsute ring under corona.

60) Corolla not deeply lobed and inner lobes at the sinus, glandular: corolla totally glabrous to very glabrous, lobes acute but towards the lobe apexes exhibiting a small area of villoseness.



61) Corolla white corona red.



62) Corona sunken into corolla at base.

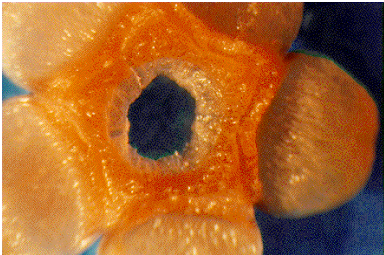
63) **Hoya myanmarica** P. T. Li, distinctly veined corolla.

64) **Hoya vacciniiflora** O. Schwartz. In our species the structure of the corona scales is noteworthy. Their edges are bent sideways, and on the radial sides they bend down at a right angle to the outside, so that they then spread out horizontally from each other. The pattern of each scale is then exactly that of a segment of  $72^\circ$ . Since the edges of the neighboring scales touch each other, there develops a flat plate-like corona ring around the gynostegium.



65) Corolla outer lobe long and narrow.

119) Anthers very long exceeding the coronal inner lobe.



66) Corolla center dorsal with pentagonal thickening.



67) Corona outer lobe bilobed.

Section Acanthostemma.



68) Corona with skirt below.

Section Otostemma.

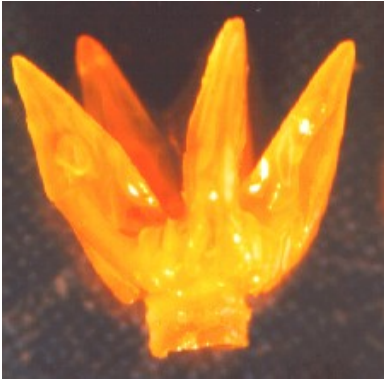


69) Corona with skirt and bilobes. Characters of two sections.

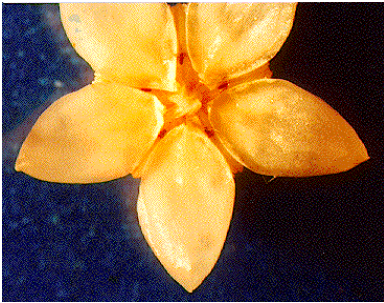
70) **Hoya incurvula** Schlechter 1916  
corona apex (i.e. back) incurved obtuse.



71) Corona outer lobe vertical. Channel exposed all the way.



72) Corona outer lobe raised.



73) Coronal outer lobe horizontal.



74) Coronal outer lobe turned down.



75) Coronal outer lobe recurved.





76) Coronal outer lobe acute.



77) Coronal outer lobe rounded, obtuse.



78) Coronal outer lobe truncate.



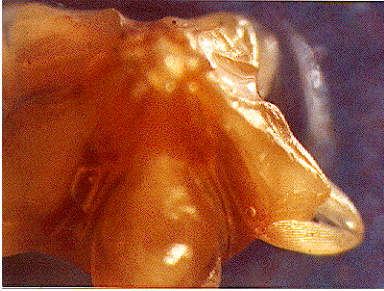
79) Coronal outer lobe emarginate.



80) Coronal outer lobe inflexed.



81) Coronal outer lobe with flaps turned inward.



82) Coronal dorsal rounded convex.



83) Coronal dorsal horizontal.

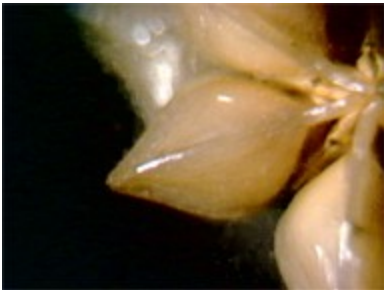


84) Coronal dorsal concave.

85) Dorsal edge sharp (nor rounded).



86) Coronal outer lobe dorsal channeled.



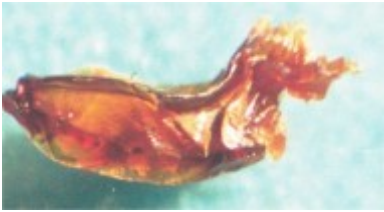
87) Corona lobe dorsal keeled.



88) Coronal dorsal with two keels.



89) Corona dorsal sway (U) shaped.



90) Corona dorsal shallow cupped. Boat shaped.



91) Corona dorsal with umbo forward.



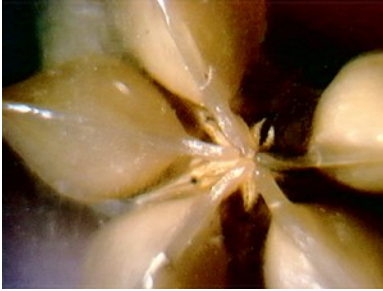
92) Corona dorsal edges sharp.



93) Coronal outer lobe exceeds corolla sinuses.



94) Coronal lobes with side shelves extending to inner lobe apices.



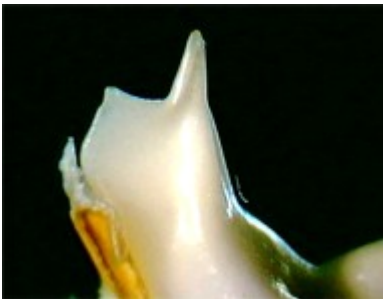
95) Corona inner lobe terete.



96) Corona inner lobe spatulate.



97) Corona inner lobe dentate.



98) Coronal inner lobe erect with short spur.



99) Corona inner lobe keeled.





100) Coronal inner lobe clavate below

101) Corona inner lobe with crest.

102) **Hoya leembruggeniana** Koorders. Corona on the bottom channeled, above with 2 straight erect (not hooked) segments.

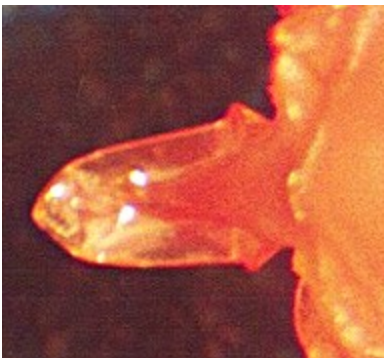
103) Corona with two projections pointing centrally.



104) Corona inner lobe blunt (square end).



105) Coronal inner lobe blunt no extension.



106) Corona ventral with two round spurs pointing apically.



107) Corona ventral with (two) flat pads on channel of each lobe.



108) Coronal inner lobe reaches the center.



109) Corona inner lobe above outer lobe.



110) Corona inner lobe not free of anther.

111) Corona inner lobe channeled.



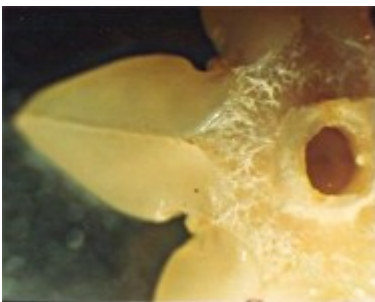
112) Coronal inner lobe hollow etc.



113) Corona with annulus below.



114) Coronal ventral folded out forming a "V".



115) Corona ventral hirsute around central column.





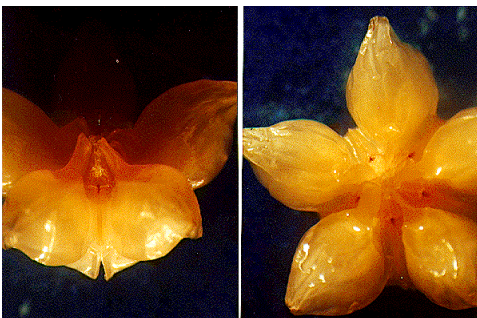
116) Corona ventral with swollen protrusions at column base.



117) Corona ventral with punctate surface around column.



118) Corona ventral lobes closely appressed to the column.



119) Coronal ventral with pre skirt.

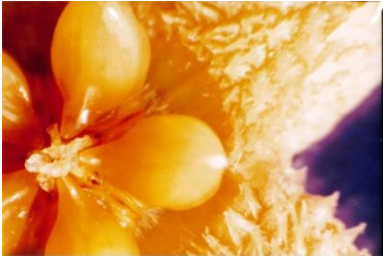


120) Coronal lobes not sulcate on surfaces.



121) Coronal lobes nearly vertical.

122) *Hoya lasigynostegia* P. T. Li, gynostegia (tubes like threads) pubescent.



123) Anthers exceed inner lobe.



124) Anthers exceed inner lobe (center covered)

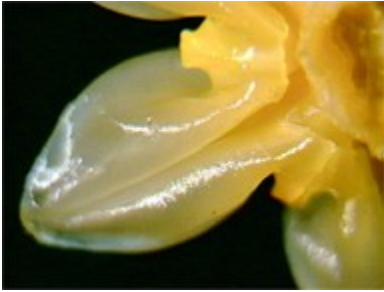
125) Anthers exposed but corona inner lobe higher.



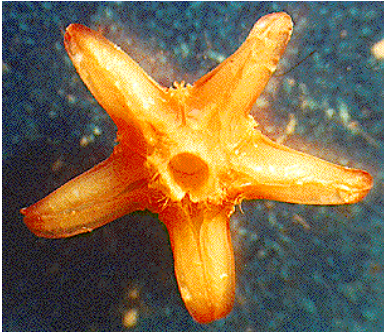
126) Anthers very long greatly exceeding inner coronal lobe.



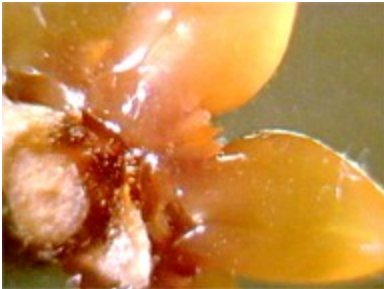
127) Anthers creped.



128) Anther wing apex square ended.



129) Anther wings with two apices U shaped apex.



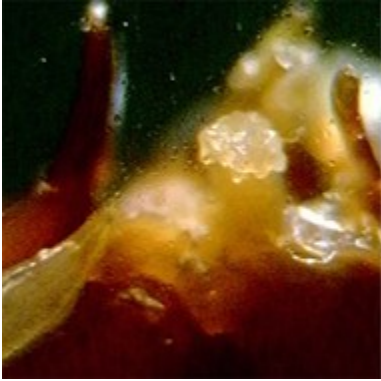
130) Anther wings with three apices.



131) Anther wings with thick sides end rounded.



132) Anther wings apex acute extended.



133) Style capitate or ornate.



134) Style cone shaped.



135) Flower cluster globose.

136-149) Flower cluster number of flowers.

150-177) Pollinia lengths and widths.



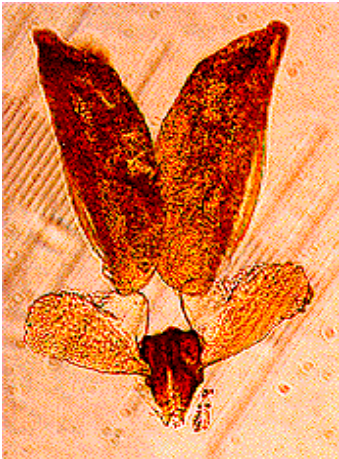
178) Translator type (ls).





179) Translator linear but modified a little beyond pollinia end. l/cw or l/o

**Note:** there are other structural differences especially of the retinacula that need to be delineated.



180) Translators fiddle shaped more like drumsticks. (fb)

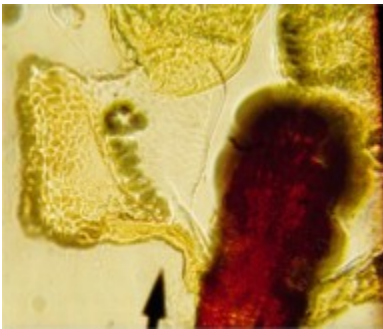
230) Caudicles clear



181) Translators perpendicular to the retinaculum. (p)



182) Translators delta shaped with flat top.  
(d)

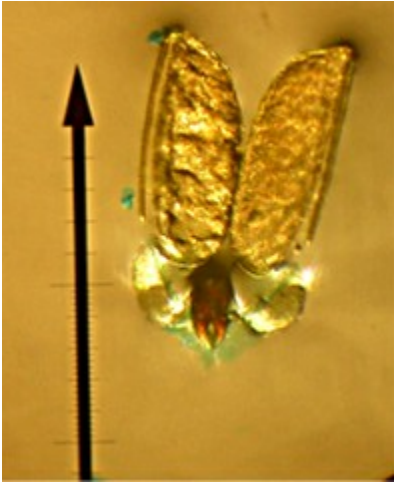


183). Translators end squared off.  
(t)



184). Caudicle a small ball.  
(o)

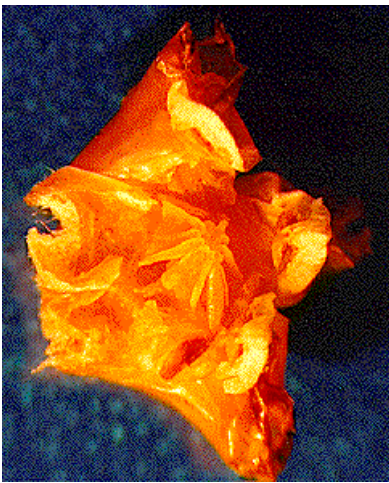




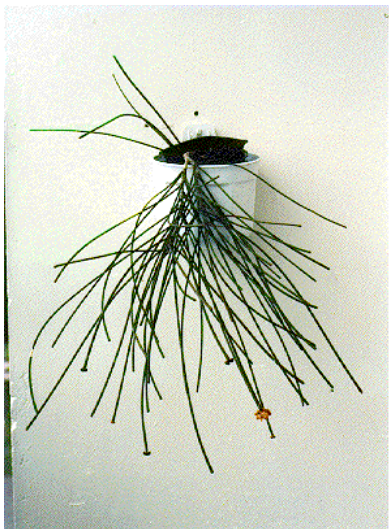
185) Caudicle with wide end funnel shaped.  
(cw)

186-192) Leaf nerve angle.

192-201) coronal lobe lengths.



202) Style crown ornate with fingers.



203) Stems with no leaves normally.

204) corolla red, corona white *Hoya imperialis*.



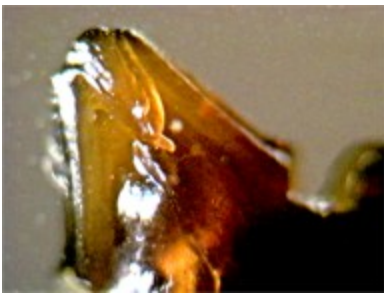
205) corolla and corona white.



206) corona and corolla red tones.



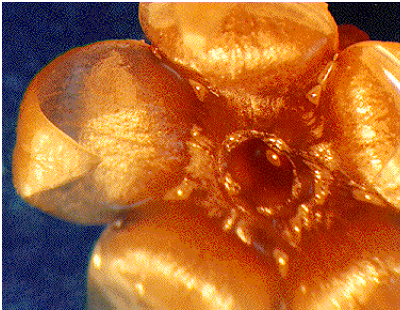
207) corona and corolla yellow tones.



208) Corona with bilobes turned under.



209) corona ventral lobes projected to column like feet.



210) Corolla with ligules at the sinuses.



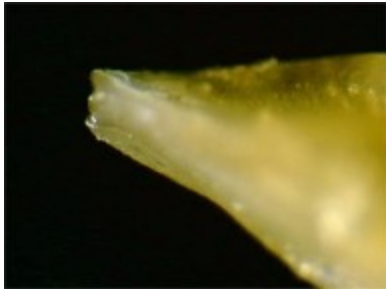
211) Corolla with conduplicate lobes at the sinuses.



212) Calyx base bulbous.



213) Corona outer lobe apex split.



214) Corona outer lobe apex triplex.



215) Corona dorsal with shoulders (2) just out from inner apex.



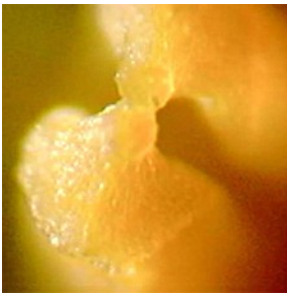
216) calyx with multiple ligules at the sinuses.



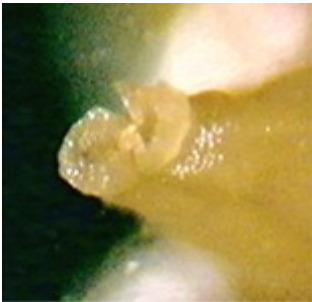
217) ovaries linear  
218) Ovaries Columnar in shape.



219) Ovaries dome shaped.



220) Ovary apex modified "kissing".



221) Ovary apex modified lip like.



222) Ovary apex with extensions.





223) Ovary with a narrowing as it approaches the apex "bottle neck shaped".



224) Pollinia inner apex truncate. "S"



225) Pollinia inner apex rounded "R"



226) Pollinia inner apex tapered centrally (inward) "T"



227) pollinia inner ends tapering inward with flat surfaces "F"





228) Pollinia inner apices of two types one rounded “R” and one tapered “T”



229) pollinia external base expanded outward. “FL”

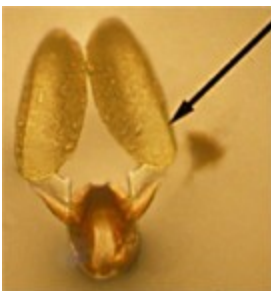
230) Caudicles with clear surfaces.



231) Caudicle surface granulate etc. not clear



232) Translators with spreading base, expansive.



233) Caudicles rectangular with some dorsal modifications/ otherwise.



234) Stems without adventitious roots.



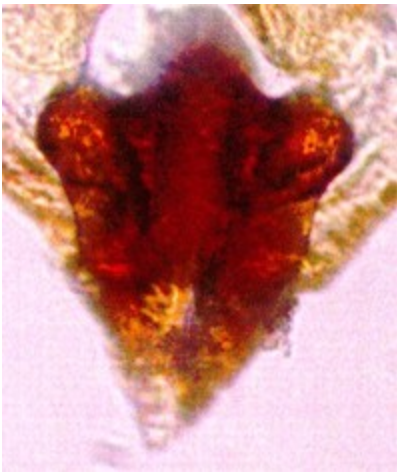
235) Bulbous outer coronal lobes.



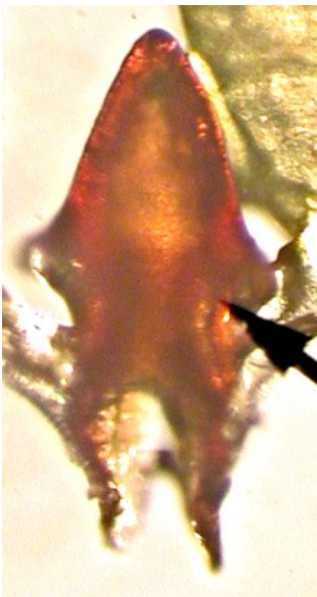
236) Retinaculum elongate, long & narrow.



237) Retinaculum shield shaped (head, shoulders, waist, hip & legs).



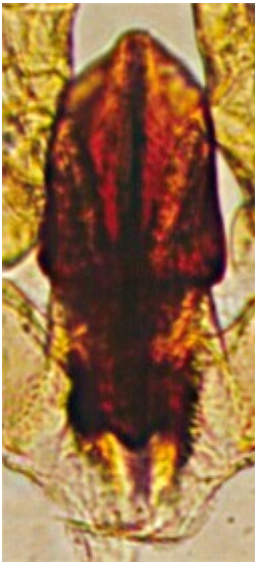
238) Retinaculum shield shaped, head dome shaped.



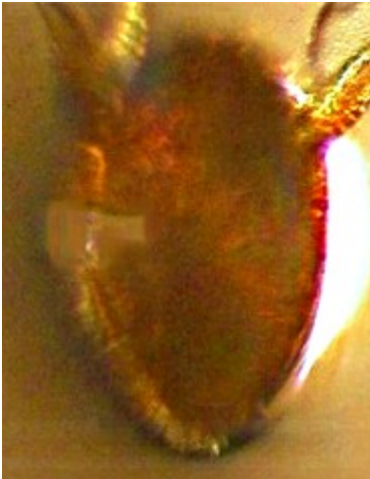
239) Retinaculum shield shaped, head elongated.



240. Retinaculum no shoulders or slight.



241) Retinaculum long shoulders,



242) Retinaculum round legs hidden.



243) Retinaculum round legs showing.



244) Retinaculum with shoulder ends up (hands up).



245) Retinaculum arms along sides.

## A Philippine Hoya Key by Species

### **acanthominima**

27\*29\*38\*42\*49\*67\*76\*93\*96\*108\*109\*116\*120\*125\*131\*139\*158\*159\*180\*185\*200\*206\*218\*226\*237

**alagensis** 13\*39\*42\*72\*74\*75\*77\*74\*96\*125\*189\*206

### **albida**

6\*7\*10\*13\*32\*41\*51\*54\*72\*84\*92\*97\*99\*118\*125\*131\*135\*143\*158\*159\*182\*184\*189\*200\*205\*225\*237

### **alwitriana**

5\*13\*26\*32\*42\*50\*62\*72\*74\*76\*82\*87\*97\*123\*132\*142\*156\*164\*182\*184\*189\*198\*207\*226\*230\*236

### **amorosoae**

13\*29\*49\*62\*67\*77\*82\*96\*109\*120\*123\*131\*141\*158\*159\*180\*185\*200\*206\*221\*223\*227\*237

### **amrita**

1\*18\*41\*50\*62\*76\*87\*95\*108\*109\*116\*150\*178\*184\*196\*216\*225\*230\*239

**angustisepala** 26\*34\*41\*42\*75\*190

### **anncajanoae**

7\*13\*38\*39\*40\*42\*49\*67\*77\*84\*87\*96\*109\*115\*132\*133\*155\*167\*175\*180\*185\*199\*219\*226\*230\*237

### **apoensis**

27\*38\*49\*62\*67\*77\*95\*109\*116\*131\*140\*157\*163\*180\*185\*199\*207\*212\*226\*231\*237

### **apoensis subsp. sagittaria**

38\*49\*62\*67\*77\*96\*109\*115\*141\*151\*159\*170\*180\*184\*200\*212\*227\*231\*236

**atimonanensis** 6\*27\*31\*40\*50\*84\*139\*155\*197

### **aurantiaca**

6\*7\*40\*50\*72\*84\*87\*91\*93\*92\*97\*115\*118\*123\*139\*156\*166\*178\*184\*186\*198\*218\*225\*230\*237



**aurigueana**

6\*7\*10\*31\*41\*50\*73\*77\*83\*84\*93\*97\*99\*118\*128\*139\*156\*167\*182\*184\*189\*197\*219\*226\*231\*237

**bandongii**

13\*31\*42\*49\*72\*77\*84\*97\*99\*123\*128\*135\*139\*155\*169\*178\*184\*198\*220\*225\*239

**bebsguevarrae**

6\*7\*10\*26\*29\*51\*73\*76\*83\*84\*87\*91\*93\*97\*99\*118\*123\*129\*141\*157\*160\*181\*184\*186\*198\*218\*227\*230\*237

**benguensis**

6\*7\*10\*50\*77\*83\*87\*93\*97\*125\*128\*133\*142\*153\*168\*182\*184\*188\*197\*206\*226\*231\*236

**benitotanii**

38\*40\*42\*49\*67\*96\*109\*116\*123\*140\*155\*161\*180\*185\*199\*207\*224\*226\*240\*246

**benstoneana**

5\*7\*10\*13\*26\*51\*72\*74\*76\*84\*90\*96\*108\*116\*118\*141\*156\*165\*182\*184\*188\*200\*219\*225\*237

**benvergarai**

6\*7\*31\*40\*50\*73\*77\*79\*83\*84\*87\*93\*97\*99\*116\*125\*128\*139\*156\*168\*182\*184\*197\*219\*226\*239

**bicknellii**

27\*41\*51\*62\*66\*67\*93\*96\*109\*116\*119\*125\*132\*156\*162\*175\*180\*185\*199\*226\*231\*240

**bicolensis**

6\*7\*10\*51\*76\*79\*93\*97\*116\*139\*157\*162\*181\*184\*187\*199\*206\*212\*226\*231\*237

**bicolor**

13\*26\*28\*32\*42\*51\*76\*83\*84\*82\*92\*93\*97\*116\*123\*131\*142\*155\*162\*181\*190\*198\*219\*230\*236

**biespada**

13\*38\*51\*67\*69\*77\*93\*96\*108\*109\*157\*160\*178\*180\*184\*200\*212\*226\*230 (UNP)

**bifunda**

6\*7\*10\*32\*42\*51\*72\*77\*84\*91\*96\*118\*125\*132\*135\*143\*158\*161\*179\*184\*188\*200\*209\*219\*225\*230\*237\*244

**bifunda subsp. integra**

6\*7\*10\*51\*73\*77\*83\*84\*96\*118\*125\*131\*135\*144\*158\*159\*179\*184\*188\*200\*206\*209\*221\*225\*230\*240

**bilobata**

13\*38\*49\*51\*53\*67\*77\*87\*96\*109\*123\*141\*180\*185\*221\*223\*225\*237

**blashernaezii**

6\*7\*10\*31\*48\*72\*76\*97\*116\*123\*131\*141\*156\*167\*178\*184\*198\*212\*227\*230\*243

**blashernaezii subsp. siariae**

6\*7\*10\*48\*72\*74\*76\*97\*123\*12840\*157\*176\*182\*184\*186\*199\*206\*219\*231\*237

**blashernaezii subsp. valmayoriana**

6\*7\*10\*31\*41\*51\*72\*76\*82\*93\*97\*104\*114\*117\*123\*132\*135\*144\*156\*170\*182\*188\*198\*206\*219\*230\*237

**bordenii**

6\*7\*10\*51\*74\*76\*83\*87\*91\*93\*97\*125\*128\*139\*154\*170\*178\*184\*186\*197\*219\*225\*239

**brittonii**

6\*27\*31\*38\*39\*40\*42\*62\*68\*96\*108\*109\*116\*131\*158\*159\*180\*185\*200\*217\*227\*231\*240

**buotii**

13\*31\*41\*42\*51\*58\*62\*72\*74\*87\*89\*96\*115\*123\*127\*130\*138\*152\*176\*178\*184\*191\*197\*228\*238

**burtoniae**

19\*29\*38\*39\*42\*49\*67\*96\*109\*116\*125\*140\*157\*161\*180\*185\*217\*226\*231\*240

**butleriana**

6\*7\*10\*51\*73\*74\*76\*83\*84\*91\*93\*97\*115\*125\*131\*135\*141\*155\*169\*182\*184\*188\*198\*206\*219\*226\*236\*245

**cagayanensis**

41\*42\*51\*77\*79\*84\*90\*91\*93\*97\*140\*155\*171\*178\*184\*188\*197\*205\*219\*226\*243

**camphorifolia** 6\*13\*31\*53\*77\*84\*90\*97\*206

**carandangiana**

6\*7\*10\*31\*40\*51\*72\*77\*84\*91\*92\*93\*95\*108\*118\*124\*132\*135\*142\*158\*159\*178\*182\*184\*187\*200\*218\*225\*237

**cardiophylla**

13\*26\*29\*31\*43\*51\*77\*82\*54\*93\*97\*117\*125\*130\*135\*140\*156\*163\*182\*184\*189\*199\*219\*226\*230\*240\*241

**carmelea**

13\*30\*50\*53\*54\*81\*83\*84\*87\*93\*96\*99\*108\*116\*124\*131\*138\*157\*163\*178\*184\*199\*206\*212\*218\*227\*239

**celata**

3\*51\*75\*109\*114\*115\*126\*135\*143\*152\*172\*178\*184\*196\*208\*211\*217\*228\*238

**celsa**

14\*27\*49\*62\*67\*77\*87\*93\*96\*108\*114\*115\*123\*143\*158\*159\*180\*185\*200\*237

**cembra**

1\*42\*52\*77\*90\*91\*95\*178\*184\*192\*205\*225

**chiekoae**

14\*18\*27\*40\*49\*67\*77\*84\*87\*93\*96\*99\*109\*114\*116\*125\*140\*156\*161\*180\*185\*199\*215\*219\*227\*230\*237

**concava**

6\*7\*13\*26\*32\*51\*71\*75\*83\*93\*96\*118\*120\*123\*131\*135\*157\*161\*182\*184\*186\*199\*205\*225\*237

**corazoniae**

27\*31\*38\*51\*62\*67\*77\*84\*96\*108\*109\*143\*157\*160\*180\*185\*200\*219\*228\*237

**coriacea subsp. philippinensis**

13\*26\*41\*50\*58\*59\*62\*72\*74\*77\*82\*97\*108\*120\*123\*124\*127\*128\*135\*140\*151\*173\*179\*185\*190\*196\*211\*218\*225\*230\*236

**crassicaulis**

26\*29\*34\*40\*42\*51\*76\*79\*84\*87\*90\*92\*93\*97\*135\*149\*156\*161\*178\*184\*187\*198\*219\*226\*236

**cumingiana**

1\*13\*20\*26\*50\*53\*77\*79\*96\*109\*123\*128\*133\*140\*154\*174\*178\*184\*191\*198\*226\*238

**cupula**

13\*24\*38\*40\*49\*67\*77\*84\*96\*109\*118\*120\*123\*131\*140\*158\*159\*180\*185\*200\*206\*223\*226\*231\*237

**curtis-porcelana**

6\*7\*10\*27\*31\*51\*73\*76\*96\*109\*123\*139\*157\*164\*178\*184\*186\*198\*212\*223

**darwinii**

21\*22\*24\*40\*42\*50\*53\*77\*82\*88\*95\*108\*115\*131\*140\*151\*177\*178\*184\*194\*218\*225\*238

**davaoensis**

13\*29\*32\*34\*40\*54\*77\*83\*84\*91\*97\*125\*143\*152\*172\*178\*184\*198\*225\*237

**davidcummingii**

27\*29\*38\*40\*49\*62\*67\*90\*96\*109\*125\*139\*157\*164\*180\*184\*200\*223\*224\*230\*240

**densifolia**

1\*8\*13\*39\*41\*42\*50\*54\*73\*78\*79\*96\*125\*139\*153\*176\*178\*184\*198\*218\*226\*238

**diversifolia**

29\*40\*42\*51\*73\*79\*84\*91\*96\*116\*125\*140\*155\*172\*178\*184\*189\*199

**div. el-nidicus** 7\*26\*40\*42\*51\*73\*77\*84\*91\*96\*115\*116\*125\*132\*154\*172\*178\*184\*199\*219\*226

**eburnea**

6\*7\*10\*31\*41\*51\*72\*74\*76\*84\*92\*93\*97\*114\*123\*132\*143\*156\*166\*182\*184\*188\*199\*205\*228\*237

**edanoi** 13\*38\*40\*49\*67\*77\*87\*96\*109\*125\*130\*142\*180\*190\*199\*226

**espaldeniana**

14\*18\*27\*31\*38\*40\*42\*49\*67\*82\*93\*96\*108\*109\*116\*123\*131\*140\*156\*165\*178\*184\*199\*206\*218\*226\*231

**estrellaensis**

7\*27\*31\*51\*53\*54\*73\*76\*83\*84\*91\*92\*97\*99\*123\*131\*141\*155\*158\*168\*182\*184\*189\*198\*218\*228\*236

**ferrerasii**

6\*13\*32\*39\*51\*54\*72\*74\*77\*93\*97\*116\*130\*140\*157\*165\*182\*184\*199\*219\*226\*230\*239

**fischeriana** 6\*51\*53\*54\*76\*97\*109\*118\*143\*198\*225\*241

**fitchii**

6\*7\*10\*42\*50\*77\*84\*87\*93\*97\*116\*123\*131\*142\*156\*164\*182\*184\*198\*21  
6\*219\*225\*230\*237

**foxii**

6\*27\*31\*34\*38\*50\*72\*74\*84\*97\*98\*114\*117\*125\*131\*133\*156\*168\*199\*21  
9\*225

**gelba**

6\*7\*10\*13\*31\*51\*62\*72\*76\*84\*87\*91\*93\*95\*123\*132\*156\*165\*178\*184\*19  
9\*219\*220\*226\*231\*237\*244

**gigantangensis**

31\*34\*38\*42\*49\*67\*77\*96\*109\*116\*125\*155\*162\*180\*187\*189\*199\*219\*22  
1\*226\*237

**golamcoana**

1\*13\*26\*32\*39\*42\*50\*77\*79\*84\*95\*109\*125\*127\*140\*154\*173\*178\*184\*19  
8\*213\*223\*225\*231\*236

**greenii**

14\*21\*42\*50\*72\*77\*79\*82\*89\*96\*116\*127\*145\*153\*179\*184\*192\*197\*223\*  
225

**halconensis** 7\*39\*41\*42\*51\*53\*54\*72\*\*77\*82\*84\*87\*96\*99\*123\*189\*194\*236

**heuschkeliana**

13\*27\*41\*47\*67\*77\*84\*87\*96\*109\*118\*125\*127\*138\*157\*162\*178\*184\*192  
\*199\*223\*226\*230\*243

**heuschkeliana subsp. cajanoae**

13\*29\*34\*41\*47\*67\*78\*82\*96\*109\*118\*125\*133\*156\*168\*178\*184\*197\*217  
\*225\*230\*243

**heuschkeliana subsp. mendozai**

13\*22\*29\*32\*34\*41\*47\*54\*56\*67\*77\*82\*96\*109\*118\*120\*123\*138\*157\*164  
\*178\*184\*200\*206\*217\*225\*230

**heuschkeliana subsp. marionii** 230

**ignota**

14\*18\*27\*50\*67\*77\*82\*96\*108\*109\*116\*125\*142\*157\*168\*180\*185\*199\*21  
9\*226\*230\*240

**ilagiorum**

6\*26\*34\*49\*76\*84\*97\*116\*118\*125\*131\*142\*156\*164\*181\*184\*188\*  
199\*219\*226\*238

**imbricata**

8\*9\*13\*23\*49\*50\*77\*79\*82\*91\*96\*109\*118\*126\*131\*142\*170\*172\*1  
79\*183\*185\*198\*199\*219\*225\*231\*236\*238

**imperialis**

13\*26\*32\*39\*42\*52\*72\*77\*79\*84\*89\*95\*98\*101\*115\*119\*130\*138\*1  
50\*176\*178\*184\*190\*194\*204\*218\*219\*220\*230\*238

**incrassata**

13\*26\*39\*42\*50\*53\*54\*76\*84\*90\*91\*92\*93\*219\*226\*236

**irisae**

1\*14\*18\*27\*31\*41\*51\*59\*71\*95\*130\*139\*152\*177\*178\*183\*198\*212\*225\*236

**isabelaensis**

27\*31\*50\*74\*83\*87\*93\*96\*108\*131\*141\*155\*167\*182\*184\*198\*218\*225\*23  
1\*237

**juanguoana**

27\*31\*34\*40\*50\*73\*77\*83\*116\*123\*130\*143\*154\*163\*165\*182\*184\*190\*198\*219\*  
226\*230\*236

**kanlaonensis**

27\*31\*38\*49\*67\*77\*96\*108\*109\*143\*156\*167\*180\*185\*200\*218\*226\*231\*240

**kentiana (see H. tsangii)** 14\*

18\*38\*42\*49\*67\*77\*109\*140\*156\*162\*180\*185\*227\*231

**krohniana**

13\*21\*26\*38\*49\*62\*68\*77\*85\*90\*92\*96\*116\*123\*139\*157\*160\*180\*185\*192\*199\*  
212\*223\*226\*239

**lagunaensis**

7\*10\*13\*27\*31\*38\*40\*42\*50\*67\*76\*82\*93\*97\*108\*109\*123\*131\*157\*161\*180\*185  
\*189\*190\*199\*207\*218\*226\*230\*238

**lambioae**

6\*7\*10\*27\*31\*41\*50\*53\*54\*73\*76\*83\*84\*87\*93\*97\*99\*114\*123\*132\*135\*142\*157  
\*162\*182\*184\*187\*199\*206\*219\*226\*230\*238



**landgrantensis**

6\*31\*40\*76\*83\*91\*93\*97\*116\*123\*131\*139\*155\*160\*178\*184\*186\*198\*219\*225\*230\*237

**lazeri**

27\*40\*51\*79\*87\*93\*96\*100\*116\*118\*123\*128\*131\*151\*177\*181\*190\*196\*219\*228\*230\*237

**leytensis**

24\*38\*44\*50\*67\*82\*87\*96\*109\*116\*123\*180\*200

**linavergarae**

1\*27\*28\*31\*41\*42\*48\*71\*77\*96\*121\*124\*128\*153\*177\*178\*184\*197\*217\*225\*239

**litii**

6\*10\*13\*27\*31\*51\*52\*62\*72\*76\*84\*90\*91\*93\*96\*118\*131\*135\*144\*155\*161\*181\*184\*192\*199\*204\*218\*226\*231\*238

**loheri**

14\*16\*29\*38\*49\*67\*96\*108\*109\*143\*157\*160\*180\*185\*200\*223\*227\*230\*237

**lucardenasiana**

13\*30\*40\*49\*77\*84\*95\*109\*116\*125\*133\*140\*156\*161\*178\*184\*192\*199\*219\*226\*240

**lucyae**

14\*38\*49\*67\*96\*109\*123\*126\*143\*155\*167\*180\*185\*200\*213\*226\*237

**marananiae**

7\*10\*42\*51\*73\*77\*84\*97\*109\*130\*135\*141\*158\*160\*178\*184\*187\*200\*206\*219\*225\*237

**marvinii**

13\*27\*29\*38\*40\*44\*49\*77\*84\*85\*87\*92\*97\*109\*120\*125\*144\*158\*159\*180\*185\*188\*199\*212\*217\*228\*230\*240

**mcgregorii**

6\*7\*31\*51\*53\*72\*79\*91\*92\*97\*149\*156\*162\*178\*184\*188\*219\*226\*231\*237\*244

**meliflua**

31\*40\*51\*62\*77\*78\*95\*97\*123\*134\*226\*239

**meliflua ssp. fraterna**

40\*51\*78\*95\*97\*109\*123\*152\*158\*174\*178\*184\*191\*197\*212\*226

**memoria**

29\*27\*38\*40\*49\*67\*91\*96\*109\*116\*125\*131\*143\*157\*160\*180\*185\*194\*206\*212\*216\*223\*227\*230\*237

**merrillii**

5\*13\*51\*72\*76\*79\*84\*93\*97\*118\*134\*143\*156\*162\*189\*198\*226

**mindorensis**

7\*27\*31\*40\*42\*50\*73\*87\*93\*97\*114\*115\*127\*135\*155\*174\*178\*184\*189\*198\*211\*219\*225\*230\*243\*246

**mindorensis subsp. mendozai**

13\*42\*52\*62\*74\*87\*97\*99\*108\*117\*127\*133\*155\*172\*178\*198\*218\*225\*231\*242

**mindorensis subsp. superba**

31\*40\*42\*50\*74\*87\*93\*97\*114\*115\*120\*127\*135\*139\*145\*154\*176\*178\*184\*211\*219\*225\*230\*243

**minutiflora**

13\*31\*38\*48\*49\*67\*121\*156\*162\*181\*184\*190\*225

**monetteae**

3\*29\*42\*51\*62\*73\*76\*79\*82\*87\*93\*94\*96\*114\*116\*117\*123\*131\*144\*154\*167\*178\*184\*197\*216\*218\*226\*237\*244

**moninae**

5\*13\*31\*38\*73\*84\*87\*90\*91\*96\*116\*125\*131\*157\*163\*178\*184\*200\*219\*225\*231\*237

**multiflora**

1\*19\*31\*40\*42\*43\*50\*74\*76\*93\*95\*109\*125\*134\*140\*150\*175\*178\*184\*191\*194\*199\*223\*225\*239

**myrmecopa subsp. kapatalanensis**

13\*27\*49\*69\*77\*84\*95\*108\*109\*125\*131\*140\*156\*163\*178\*184\*199\*218\*227\*230\*237

**nakarensis**

6\*7\*10\*13\*31\*49\*62\*68\*74\*77\*79\*84\*90\*91\*96\*123\*132\*142\*158\*160\*182\*184\*188\*200\*207\*219\*230\*237

**obscura**

26\*34\*38\*40\*49\*68\*77\*96\*109\*123\*134\*143\*161\*180\*185\*187\*199\*224\*230\*241

**odetteae**

14\*18\*38\*49\*67\*78\*96\*109\*116\*118\*138\*157\*160\*180\*185\*200\*207\*226\*237

**odorata**

1\*31\*42\*51\*53\*73\*74\*77\*79\*96\*109\*123\*131\*125\*133\*143\*152\*177\*178\*184\*190\*197\*225\*230\*238

**palawanica** 6\*7\*27\*31\*51\*53\*54\*74\*76\*79\*87\*97\*109\*140\*188\*213\*225

**panayensis** 38\*49\*67\*77\*93\*96\*108\*109\*124\*157\*161\*178\*184\*200\*219\*226

**panchoi** 13\*24\*27\*38\*49\*67\*77\*87\*96\*99\*109\*123\*131\*139

**paziaie**

1\*41\*42\*51\*77\*79\*91\*96\*109\*125\*130\*138\*153\*172\*178\*184\*192\*198\*219\*225\*230\*238

**pentaplebia**

5\*13\*26\*29\*31\*51\*53\*62\*73\*76\*79\*83\*84\*97\*123\*140\*155\*165\*182\*184\*188\*199\*212\*219\*224\*239

**perangensis**

41\*43\*51\*54\*73\*83\*84\*97\*118\*123\*131\*156\*167\*178\*184\*198\*228\*237

**persicina**

6\*7\*10\*41\*50\*72\*74\*76\*84\*87\*97\*99\*116\*123\*131\*139\*156\*166\*178\*184\*198\*219\*225\*230\*237

**persicina subsp. rosea**

6\*7\*10\*27\*31\*40\*51\*72\*76\*79\*84\*87\*97\*114\*123\*129\*139\*156\*165\*182\*184\*186\*199\*211\*218\*220\*225\*231\*239

**pimenteliana**

34\*42\*50\*55\*72\*74\*77\*79\*84\*87\*93\*95\*116\*131\*140\*156\*167\*178\*184\*197\*205\*218\*226\*231\*243

**platicaulis**

1\*4\*7\*18\*41\*42\*50\*56\*74\*77\*79\*82\*86\*95\*109\*125\*132\*135\*139\*150\*176\*178\*196\*207\*211\*218\*225

**polilloensis**

6\*7\*10\*31\*40\*42\*51\*72\*79\*84\*87\*90\*92\*95\*116\*117\*123\*142\*156\*163\*182\*184\*199\*207\*218\*218\*222\*225\*231\*236

**pseudoleyensis**

34\*38\*49\*67\*82\*96\*108\*131\*139\*157\*162\*180\*185\*200\*225\*230\*237

**pseudomaxima** 8\*9\*23\*26\*237

**pubicalyx** 13\*31\*39\*51\*53\*76\*79\*82\*87\*109

**pubicenta**

13\*39\*50\*62\*81\*87\*92\*95\*99\*109\*116\*123\*133\*153\*167\*178\*184\*190\*198\*206\*211\*213\*219\*231\*228\*239

**pubicorolla**

27\*39\*42\*43\*51\*76\*76\*79\*87\*96\*99\*109\*123\*135\*144\*153\*170\*178\*184\*187\*196\*218\*226\*230\*239

**pubicorolla ssp. anthracina**

27\*32\*42\*51\*76\*82\*87\*95\*117\*123\*126\*133\*145\*152\*167\*182\*184\*196\*212\*218\*225\*231\*239

**querinoensis**

6\*7\*31\*41\*42\*75\*84\*87\*91\*93\*96\*99\*123\*132\*156\*166\*182\*184\*199\*219\*226\*237

**quinquineria** 5\*13\*29\*31\*42\*76\*84\*109\*207\*227\*237

**quisumbingii**

18\*22\*31\*38\*49\*67\*96\*109\*116\*131\*155\*165\*180\*185\*189\*199\*206\*216\*226

**ralphdavisiana**

6\*10\*13\*29\*31\*49\*77\*79\*91\*96\*114\*123\*132\*135\*139\*156\*165\*178\*184\*187\*198\*227\*230\*237

**ramosii**

14\*17\*27\*30\*40\*48\*67\*93\*96\*109\*123\*130\*155\*173\*181\*184\*198\*223\*225\*238

**rима**

14\*18\*21\*30\*40\*49\*67\*70\*77\*82\*105\*109\*116\*118\*123\*131\*139\*157\*161\*180\*185\*200\*212\*218\*226\*230\*237

**rizaliana**

27\*38\*40\*50\*67\*96\*108\*109\*131\*156\*164\*180\*185\*187\*196\*217\*227\*230\*238

**rosarioae**

37\*38\*40\*49\*68\*77\*96\*109\*114\*142\*158\*159\*180\*185\*190\*217\*230\*236

**salmonea**

6\*7\*10\*31\*41\*51\*72\*74\*84\*85\*87\*90\*95\*114\*125\*131\*143\*157\*161\*182\*184\*187\*199\*207\*219\*226\*231\*237

**salmonea subsp. pallida**

5\*29\*41\*51\*72\*74\*76\*90\*93\*96\*116\*123\*139\*157\*164\*181\*184\*200\*207\*221\*226\*231\*237

**samarensis** 5\*27\*28\*76\*83\*84\*85\*87\*93\*96\*114\*123\*157\*161\*178\*184\*227\*239

**santiago** 13\*39\*42\*43\*76\*79\*87\*93\*96\*108\*109\*114\*116\*126\*132\*142\*197

**santiago ssp. mandozaii**

13\*32\*51\*76\*87\*93\*96\*108\*109\*116\*135\*141\*153\*169\*178\*184\*197\*206\*225\*239

**skinneriana**

3\*7\*13\*39\*51\*73\*77\*79\*82\*96\*99\*109\*123\*133\*139\*142\*152\*171\*173\*178\*184\*196\*211\*218\*225\*230\*236

**soligamiana**

6\*7\*10\*31\*40\*49\*73\*77\*83\*84\*87\*93\*97\*108\*128\*139\*155\*165\*182\*184\*188\*197\*206\*218\*226\*230\*237

**surigaoensis**

6\*26\*50\*72\*74\*84\*91\*95\*130\*143\*155\*161\*178\*182\*184\*199\*225\*230\*237

**tangerina**

6\*13\*27\*28\*31\*42\*49\*67\*87\*95\*109\*116\*120\*123\*131\*144\*157\*160\*180\*185\*188\*200\*212\*218\*226\*231\*237

**taytayensis** 5\*13\*26\*29\*40\*42\*52\*77\*84\*87\*90\*96\*153\*170\*200\*225\*238

**tsangii**

14\*18\*38\*49\*67\*93\*96\*109\*116\*119\*140\*157\*160\*180\*185\*188\*199\*226\*240

**unica**

6\*7\*10\*24\*27\*31\*38\*40\*49\*62\*68\*77\*87\*96\*99\*109\*113\*125\*143\*158\*159\*180\*185\*186\*200\*207\*218\*221\*226\*230\*240

**unruhiana**

6\*10\*13\*51\*62\*71\*72\*77\*84\*87\*92\*97\*99\*114\*117\*125\*135\*143\*158\*160\*181\*184\*200\*219\*225\*237

**vicencioana**

5\*10\*13\*26\*43\*50\*76\*84\*87\*89\*96\*108\*114\*131\*135\*143\*156\*162\*178\*184\*199\*  
207\*223\*225

**wayetii**

14\*30\*38\*42\*49\*67\*84\*91\*92\*96\*109\*116\*125\*134\*140\*156\*162\*180\*185\*  
198\*206\*215\*226\*230\*236

**weebella**

2\*22\*29\*38\*39\*41\*42\*61\*67\*87\*133\*137\*153\*172\*180\*185\*225\*240

**wibergiae**

6\*7\*29\*31\*34\*40\*42\*50\*76\*93\*97\*118\*125\*131\*142\*154\*168\*182\*184\*197  
\*227\*238

**willimasiana**

6\*7\*10\*43\*51\*72\*77\*84\*87\*93\*96\*125\*131\*139\*158\*159\*182\*184\*187\*200  
\*218\*226\*237

**williamsoliveriana**

2\*14\*18\*27\*30\*38\*42\*49\*67\*84\*86\*93\*96\*109\*116\*131\*142\*156\*167\*178\*184\*19  
8\*206\*212\*219\*228\*231\*238