

Brullo & al.: Taxonomic revision of *Astragalus angustifolius* group (*Fabaceae*)

Electronic supplementary file 1. Morphological characters and character state code used for the phylogenetic analysis.

No.	Character	States
1	Habit	0=loose 1=compact
2	Max. leaf length (cm)	0=3 0.5=5 / 1=6
3	Rachis	subequal or shorter=0 longer=1
4	Rachis width at base (mm)	0=0.5-1 1=1-1.5
5	Leaflet apex	0=acute 1=obtuse to rounded
6	Max. pair of leaflets	0=7-9 1=10-13
7	Max. leaflet length (mm)	0=4-6 1=7-8
8	Stipules (shape)	0=ovate to ovate-lanceolate 1=lanceolate to linear-lanceolate
9	Max. stipule length (mm)	0=4-6 1=7-10
10	Stipule indumentum	0=totally hairy 1=hairy below or at margin
11	Stipule joining	0=1/2 1=1/3-1/5
12	Max. number of flowers (raceme)	0=3-4 0.5=5-8 / 1=10-15
13	Inflorescence exceeding the leaves	0=not exceeding 1=exceeding
14	Bract shape	0=subulate to narrowly lanceolate 1=lanceolate to ovate-lanceolate
15	Bract apex	0=apiculate 1=rounded
16	Bracteole shape	0=subulate to subulate-lanceolate 1=lanceolate to ovate-lanceolate
17	Bracteole length (mm)	0=0.8-2 1=2-5
18	Bracteole insertion	0=calyx base 1=peduncle
19	Calyx length (mm)	0=6-7 0.5=7-10.5 / 1=11.5-14
20	Calyx diameter (mm)	0=2.5-3 1=3-4.5
21	Max. calyx white hairs length (mm)	0=0.3-0.8 1=1-1.6
22	Max. calyx black hairs length (mm)	0=0.3-0.6 0.5=0.7-0.9 / 1=1-1.6
23	Calyx lower teeth length (mm)	0=1.2-2.5 0.5=2.5-4.3 / 1=4.5-7
24	Calyx upper teeth length (mm)	0=1.2-1.8 0.5=1.8-3.5 / 1=4.5-7
25	Corolla colour	0=white to cream tinged with violet 1=whitish-pink to pinkish-violet
26	Wing length (mm)	0=10-15 1=15-18
27	Keel length (mm)	0=9-15 1=15-18
28	Anther shape	0=oblong 1=subcircular
29	Anther length (mm)	0=0.7-0.9 1=0.9-1.3
30	Pistil length (mm)	0=8.5-11 0.5=11-12.5 / 1=12.5-14.5
31	Ovary indumentum	0=subglabrous 0.5=appressed / 1=subappressed or subpatent
32	Ovary hairs length (mm)	0=0.1-0.5 1=0.5-1.6
33	Stigma shape	0=flattened 0.5=hemispherical / 1=subglobose to conic
34	Stigma surface	0=verrucose 1=papillose
35	Legume shape	0=conic to ovoid 0.5=ellipsoid to ovoid-ellipsoid / 1=ellipsoid-fusiform
36	Legume length (mm)	0=6.5-10 0.5=10-13 / 1=13-15
37	Legume indumentum	0=glabrous or sparsely hairy 1=hairy
38	Legume black hair	0=absent 0.5=mainly above / 1=homogeneously distributed
39	Legume beak length (mm)	0=0.5-1.5 0.5=1.5-2 / 1=2-3
40	Seed colour	0=olivaceous to brown-olivaceous 0.5=brown / 1=dark brown
41	Seed coat	0=not dotted 1=dotted