



Lardizabalaceae

Akebia Decne.

Boquila Decne.

Decaisnea Hook.f. & Thomson.

Lardizabala Ruiz & Pav.

Sargentodoxa Rehder & E.H.Wilson

Sinofranchetia Hemsl.

Stauntonia DC.

VEGETATIVE KEY TO SPECIES CULTIVATED IN WESTERN EUROPE

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(31 August 2011 - 05 July 2021)

Vegetative identification key.

Introduction:

This key is based on vegetative characteristics, and therefore also of use when flowers and fruits are absent.

- Use a 10x hand lens to check pubescence and venation pattern in general.
- Look at the entire plant. Young specimens, shade, and strong shoots give an atypical view.
- Beware of hybridisation, especially with plants raised from seed other than wild origin.

Taxa treated in this key: → p4.

Taxa referred to synonymy in this key: → p4.

Remarks: → p4.

References:

- JDL herbarium and [illustrations](#)
- living specimens, in various arboreta, botanic gardens and collections
- literature:

Chen, D. & Shimizu, T. - (2001) - *Lardizabalaceae* in Flora of China VOL.6, p.440-454. [online edition](#)
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Grimshaw, J. & Bayton, R. - (2009) - *Lardizabalaceae* in New Trees, 992p. AND [Trees and Shrubs Online](#)
Krüssmann, G. - (1976) - *Akebia* and *Decaisnea* in Handbuch der Laubgehölze, VOL1 p.133 and 461 resp.
Krüssmann, G. - (1977) - *Lardizabala* and *Holboellia* in Handbuch der Laubgehölze, VOL2 p.211 and 155 resp.
Krüssmann, G. - (1978) - *Sargentodoxa*, *Sinofranchetia* and *Stauntonia* in Handbuch der Laubgehölze, VOL.3 p.324, 335 and 382-383 resp.
Lancaster, R. - (2019) - *Lardizabalaceae* in The Hillier Manual of Trees & Shrubs 9th Edition, 637p.
Matthews, V.A. - (1989) - *Lardizabalaceae* in The European Garden Flora VOL.3, p.396-398.

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01 a	Shrub. Leaf pinnately compound.	02
b	Liana. Leaf ternate, biternate or palmately compound.	03
02 a	Leaflet LS minutely pubescent (10× LENS).	<i>Decaisnea fargesii</i>
b	Leaflet LS glabrous.	<i>Decaisnea insignis</i>
03 a	Plant variably pubescent with long hairs (10× LENS).	<i>Boquila trifoliata</i>
b	Plant glabrous.	04
04 a	Leaf variably ternate (3 leaflets) and biternate (2×3 lflets) and often triternate (3×3 lflets).	<i>Lardizabala funaria</i>
b	Leaf ternate, <u>OR</u> ternate to 5-9-palmately foliolate.	05
05 a	Leaf ternate <u>AND</u> lateral petiolule absent or <5 mm.	06
b	Leaf variably ternate to 5-9-palmately foliolate <u>AND</u> lateral petiolule 5-30(-more) mm. ...	07
06 a	Lateral leaflet petiolate.	<i>Sinofranchetia chinensis</i>
b	Lateral leaflet sessile.	<i>Sargentodoxa cuneata</i>
07 a	Leaflet apex +/- emarginate, with apiculus completely recurved (10× LENS) <i>Akebia</i>	08
b	Leaflet apex predominantly acuminate to caudate <i>Stauntonia</i>	11
08 a	Leaf predominantly ternate <u>AND</u> leaflet (broadly) ovate.	<i>Akebia trifoliata</i>
b	Leaf (3-)5(-7)-foliolate <u>AND/OR</u> leaflet elliptic to obovate or obovate oblong.	09
09 a	Leaflet irregularly coarsely dentate to shallowly lobed.	<i>Akebia x pentaphylla</i> (A.quinata x A.trifoliata)
b	Leaflet margin entire.	10
10 a	Leaflet obovate to elliptic obovate.	<i>Akebia quinata</i>
b	Leaflet oblong to obovate oblong.	<i>Akebia longiracemosa</i>
11 a	Leaf predominantly ternate.	12
b	Leaf 3-5(-more)-foliolate.	15
12 a	Terminal leaflet lanceolate to oblanceolate.	<i>Stauntonia</i> aff. <i>libera</i> CHB16-CH66
b	Terminal leaflet ovate or ovate oblong.	13
13 a	Leaflet LS tertiary veinlets slightly visible (10× LENS).	<i>Stauntonia coriacea</i>
b	Leaflet LS quaternary <u>and!</u> quinary veinlets visible.	14
14 a	Leaflet LS secondary venation rather prominent/elevated (10× LENS). <i>Stauntonia latifolia</i>	
b	Leaflet LS secondary venation rather shallow.	<i>Stauntonia brachyandra</i>
15 a	Terminal leaflet L/W ratio $\geq 3/1$	16
b	Terminal leaflet L/W ratio $< 3/1$	17

- 16 a Terminal leaflet L/W ratio 5/1(-more). **Stauntonia linearifolia**
 b Terminal leaflet L/W ratio 3/1-4/1. **Stauntonia angustifolia**
- 17 a Terminal leaflet oblong to ovate oblong AND apex acuminate to caudate. 18
 b Terminal leaflet ovate to elliptic AND apex (sub-)acute to acuminate. 19
- 18 a Lamina US secondary veins slightly impressed (10x LENS). **Stauntonia latifolia**
 b Lamina US secondary veins and most tertiary veins rather strongly impressed.
 **Stauntonia chapaensis**
- 19 a Leaf thin, papery. **Stauntonia** aff. **medogensis**
 b Leaf thick, leathery. 20
- 20 a Leaf (3-)5(-7)-foliolate. 21
 b Leaf 3-5-foliolate. 22
- 21 a Mature leaf basal leaflet petiolules predominantly long. **Stauntonia hexaphylla**
 b Mature leaf basal leaflet petiolules predominantly short..... **Stauntonia grandiflora**
- 22 a Leaflet ovate to elliptic. **Stauntonia** aff. **chapaensis** BSWJ7250S
 b Leaflet ovate to obovate oblong. **Stauntonia purpurea**

Taxa treated in this key.

Akebia longeracemosa
Akebia × *pentaphylla* (*A. quinata* × *A. trifoliata*)
Akebia quinata
Akebia trifoliata

Boquila trifoliata

Decaisnea fargesii
Decaisnea insignis

Lardizabala funaria

Sargentodoxa cuneata

Sinofranchetia wilsonii

Stauntonia angustifolia ← *holboellia*/*Stauntonia fargesii*
Stauntonia brachyandra
Stauntonia chapaensis
Stauntonia aff. *chapaensis*
Stauntonia coriacea
Stauntonia grandiflora
Stauntonia hexaphylla
Stauntonia latifolia
Stauntonia aff. *libera*
Stauntonia linearifolia
Stauntonia aff. *medogensis*
Stauntonia purpurea

Taxa referred to synonymy in this key.

Lardizabala biternata → *Lardizabala funaria*
Holboellia → *Stauntonia*
Holboellia fargesii → *Stauntonia angustifolia*
Stauntonia fargesii → *Stauntonia angustifolia*

Remarks.

The identity status of following taxa is not clear to the author for the time being:

Stauntonia aff. *chapaensis* BSWJ7250S in cultivation, is a Sue and Bleddyn Wynn Jones collection from Doi Cheng Dao in northern Thailand.

Stauntonia aff. *libera* CHB16-CH66 in cultivation, is a Charles Boulanger collection from China, with 3-foliolate (fide FOC 5-8-foliolate) leaves.

Stauntonia aff. *medogensis* CHB16-CH35 in cultivation, is a Charles Boulanger collection from China.

