

SUPPLEMENTARY TABLES

Table S1. Binary matrices of absence and presence of characteristics that presented distinction between clones of *Tectona grandis* L.f., at 29 months of age

Clone	1. Trunk: insertion angle of the branches			2. Trunk: intensity of gray color			3. Trunk: intensity of the brownish color of bark		
	Acute	Right	Obtuse	Light	Medium	Dark	Light	Medium	Dark
1	1	0	0	0	1	0	0	0	1
2	1	0	0	0	0	1	0	0	1
3	1	0	0	0	0	1	0	0	1
4	0	1	0	0	0	1	0	1	0
5	0	1	0	0	1	0	0	0	1
6	0	0	1	0	1	0	0	1	0
7	0	1	0	0	1	0	1	0	0
8	0	1	0	0	1	0	0	1	0
9	0	1	0	0	0	1	0	0	1
10	1	0	0	0	0	1	0	0	1
11	1	0	0	1	0	0	0	0	1
12	0	1	0	0	1	0	0	1	0
13	1	0	0	0	1	0	0	1	0
14	0	1	0	0	0	1	0	0	1
15	1	0	0	0	0	1	0	0	1
16	0	1	0	1	0	0	1	0	0
17	0	1	0	1	0	0	1	0	0
18	0	1	0	0	1	0	0	1	0

Clone	4. Trunk: inner color of bark				5. Trunk: suckers		6. Trunk: persistence of bark		
	Whitish	Yellowish	Light Greenish	Dark greenish	Absent	Present	Low	Medium	High
1	0	1	0	0	1	0	1	0	0
2	0	1	0	0	1	0	0	0	1
3	0	1	0	0	1	0	0	1	0
4	0	1	0	0	1	0	1	0	0
5	1	0	0	0	1	0	0	1	0
6	0	1	0	0	1	0	0	0	1
7	0	0	1	0	0	1	0	0	1
8	0	1	0	0	1	0	0	0	1
9	0	1	0	0	1	0	0	1	0
10	0	0	1	0	1	0	0	0	1
11	0	0	0	1	0	1	0	0	1
12	0	0	0	1	0	1	0	0	1
13	0	0	0	1	0	1	0	0	1
14	0	0	1	0	1	0	0	0	1
15	0	1	0	0	1	0	0	1	0
16	0	0	0	1	1	0	0	0	1
17	0	0	0	1	0	1	0	0	1
18	0	0	0	1	1	0	0	0	1

Continued...

Table S1, cont.

Clone	7. Trunk: bark drop		8. Branch: leaf position		9. Apical branch: leaf position		10. Branch: Tropism			11. Branch: sprouting	
	No drop	Cracks	Through out the branch	Only at the apex of the branch	Through out the apical branch	Only at the apex of the apical branch	Erect	Bent	Pending	Absent	Present
1	0	1	1	0	1	0	1	0	0	1	0
2	0	1	1	0	1	0	1	0	0	1	0
3	0	1	0	1	0	1	1	0	0	1	0
4	0	1	1	0	1	0	0	1	0	1	0
5	0	1	1	0	0	1	1	0	0	1	0
6	1	0	0	1	0	1	0	0	1	0	1
7	1	0	0	1	0	1	1	0	0	0	1
8	1	0	1	0	0	1	1	0	0	1	0
9	0	1	1	0	1	0	1	0	0	1	0
10	1	0	1	0	1	0	1	0	0	1	0
11	1	0	0	1	0	1	1	0	0	1	0
12	1	0	0	1	0	1	0	1	0	0	1
13	1	0	0	1	0	1	1	0	0	0	1
14	1	0	0	1	0	1	1	0	0	1	0
15	0	1	1	0	0	1	1	0	0	1	0
16	1	0	0	1	0	1	1	0	0	1	0
17	1	0	0	1	0	1	1	0	0	0	1
18	1	0	0	1	0	1	1	0	0	0	1

Clone	12. Crown: density			13. Leaf: leaf attitude			14. Leaf: petiole		15. Leaf blade: length (cm)	
	Low	Medium	High	Erect	Horizontal	Pending	Absent	Present	Short	Long
1	0	0	1	1	0	0	1	0	1	0
2	0	0	1	0	1	0	1	0	1	0
3	0	0	1	0	0	1	0	1	0	1
4	0	0	1	0	1	0	1	0	1	0
5	0	0	1	0	1	0	0	1	1	0
6	0	0	1	0	0	1	0	1	0	1
7	0	1	0	0	1	0	0	1	0	1
8	0	0	1	0	1	0	0	1	1	0
9	0	0	1	1	0	0	0	1	1	0
10	0	0	1	0	1	0	1	0	1	0
11	1	0	0	0	0	1	0	1	0	1
12	1	0	0	0	0	1	0	1	0	1
13	1	0	0	0	0	1	0	1	0	1
14	0	0	1	0	1	0	1	0	1	0
15	0	0	1	0	1	0	0	1	1	0
16	1	0	0	0	1	0	0	1	0	1
17	1	0	0	0	0	1	0	1	0	1
18	0	1	0	0	1	0	0	1	0	1

Continued...

Table S1, cont.

Clone	16. Leaf blade: width (cm)		17. Leaf blade: ratio length/width (cm)		18. Leaf blade: pubescence on the lower face		19. Leaf blade: the intensity of the color green on the upper face		20. Leaf blade: the intensity of the color green on the lower face		21. Leaf blade: shape	
	Narrow	Large	Small	Large	Absent	Present	Light	Dark	Light	Dark	Elliptical	Obovate
1	1	0	1	0	1	0	1	0	1	0	0	1
2	1	0	1	0	1	0	1	0	1	0	1	0
3	0	1	0	1	0	1	1	0	1	0	1	0
4	1	0	1	0	1	0	0	1	1	0	0	1
5	1	0	1	0	1	0	1	0	1	0	1	0
6	0	1	0	1	0	1	1	0	1	0	1	0
7	0	1	0	1	0	1	1	0	1	0	1	0
8	0	1	0	1	1	0	1	0	1	0	1	0
9	1	0	1	0	1	0	1	0	1	0	1	0
10	1	0	1	0	1	0	1	0	1	0	1	0
11	0	1	0	1	0	1	1	0	0	1	1	0
12	0	1	0	1	0	1	0	1	0	1	1	0
13	0	1	0	1	0	1	1	0	1	0	1	0
14	1	0	1	0	0	1	1	0	1	0	1	0
15	1	0	1	0	1	0	1	0	1	0	1	0
16	0	1	0	1	0	1	1	0	1	0	1	0
17	0	1	0	1	0	1	0	1	0	1	1	0
18	0	1	0	1	0	1	0	1	0	1	1	0

Clone	22. Leaf blade: shape of the tip of the apex			23. Leaf blade: margin		24. Leaf blade: margin undulation			25. Leaf blade: venation		26. Leaf blade: brightness	
	Acute	Cuspidate	Mucronate	Dentate	Whole	Low	Medium	High	Does not touch the margin	Touches the margin	Absent	Present
1	0	0	1	0	1	1	0	0	1	0	0	1
2	1	0	0	0	1	0	1	0	0	1	0	1
3	1	0	0	1	0	1	0	0	0	1	1	0
4	0	0	1	0	1	1	0	0	1	0	0	1
5	0	1	0	0	1	1	0	0	1	0	0	1
6	1	0	0	1	0	1	0	0	0	1	1	0
7	0	1	0	0	1	1	0	0	1	0	1	0
8	0	1	0	0	1	1	0	0	1	0	1	0
9	1	0	0	0	1	0	0	1	1	0	1	0
10	0	1	0	0	1	0	1	0	1	0	0	1
11	1	0	0	0	1	1	0	0	1	0	1	0
12	1	0	0	0	1	1	0	0	1	0	1	0
13	1	0	0	0	1	1	0	0	1	0	1	0
14	0	1	0	0	1	1	0	0	1	0	0	1
15	1	0	0	0	1	1	0	0	0	1	0	1
16	1	0	0	0	1	1	0	0	1	0	1	0
17	0	1	0	0	1	0	1	0	1	0	1	0
18	0	1	0	0	1	1	0	0	1	0	1	0

Supplementary tables to the article “Morphological descriptors for the characterization of teak clones (Tectona grandis L.f.) in plantations”, by Jorge-L. Reategui-Betancourt, Daniele-Aparecida-A. Arriel, Sidney-Fernando Caldeira, Antonio-Rioyey Higa, Paulo C. Flôres Junior, Stefania-Palma Araujo, Rudmilla Menezes-Marques, Bruna-Maria-B. Corrêa and Diego-Tyszka Martinez. Forest Systems Vol. 29 No. 2, August 2020
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Table S2. Binary matrices of absence and presence of characteristics that presented distinction between clones of *Tectona grandis* L.f., at 41 months of age

Clone	1. Trunk: insertion angle of the branches			2. Trunk: intensity of gray color			3. Trunk: Intensity of the brow color of bark		
	Acute	Right	Obtuse	Light	Medium	Dark	Light	Medium	Dark
1	1	0	0	0	0	1	0	0	1
2	1	0	0	0	0	1	0	0	1
3	1	0	0	0	0	1	0	0	1
4	0	1	0	0	0	1	0	1	0
5	0	1	0	0	0	1	0	0	1
6	0	0	1	0	1	0	0	1	0
7	0	1	0	0	1	0	1	0	0
8	0	1	0	0	1	0	0	0	1
9	0	1	0	0	0	1	0	0	1
10	1	0	0	0	0	1	0	0	1
11	1	0	0	1	0	0	1	0	0
12	0	1	0	1	0	0	1	0	0
13	1	0	0	0	1	0	0	0	1
14	0	1	0	0	0	1	0	0	1
15	1	0	0	0	0	1	0	0	1
16	0	1	0	1	0	0	1	0	0
17	0	1	0	1	0	0	1	0	0
18	0	1	0	0	1	0	0	1	0

Clone	4. Trunk: inner color of bark				5. Trunk: sucker		6. Trunk: spots on the trunk	
	Whitish	Yellowish	Light Greenish	Dark greenish	Absent	Present	Absent	Present
1	0	1	0	0	1	0	0	1
2	0	1	0	0	1	0	1	0
3	0	1	0	0	1	0	0	1
4	0	1	0	0	1	0	0	1
5	1	0	0	0	1	0	0	1
6	0	1	0	0	1	0	0	1
7	0	0	1	0	0	1	1	0
8	0	1	0	0	1	0	1	0
9	0	1	0	0	1	0	1	0
10	0	0	1	0	1	0	1	0
11	0	0	0	1	0	1	1	0
12	0	0	0	1	0	1	1	0
13	0	0	0	1	0	1	1	0
14	0	0	1	0	1	0	0	1
15	0	1	0	0	1	0	1	0
16	0	0	0	1	0	1	1	0
17	0	0	0	1	0	1	1	0
18	0	0	0	1	1	0	1	0

Continued...

Table S2, cont.

Clone	7. Trunk: persistence of bark			8. Trunk: bark drop		9. Branch: leaf position		10. Apical branch: leaf position	
	Low	Medium	High	No drop	Cracks	Throughout the branch	Only at the apex of the branch	Throughout the apical branch	Only at the apex of the apical branch
1	1	0	0	0	1	1	0	1	0
2	0	0	1	0	1	1	0	1	0
3	0	1	0	0	1	1	0	1	0
4	1	0	0	0	1	1	0	1	0
5	0	1	0	0	1	1	0	1	0
6	0	0	1	1	0	1	0	1	0
7	0	0	1	1	0	1	0	0	1
8	0	0	1	1	0	1	0	1	0
9	0	1	0	0	1	1	0	1	0
10	0	0	1	1	0	1	0	1	0
11	0	0	1	1	0	0	1	0	1
12	0	0	1	1	0	0	1	0	1
13	0	0	1	1	0	0	1	0	1
14	0	0	1	1	0	1	0	1	0
15	0	1	0	0	1	1	0	1	0
16	0	0	1	1	0	0	1	0	1
17	0	0	1	1	0	1	0	0	1
18	0	0	1	1	0	1	0	0	1

Clone	11. Branch: tropism			12. Branch: sprouting		13. Crown: density			14. Leaf: leaf attitude		
	Erect	Bent	Pending	Absent	Present	Low	Medium	High	Erect	Horizontal	Pending
1	1	0	0	1	0	0	0	1	0	1	0
2	1	0	0	1	0	0	0	1	1	0	0
3	1	0	0	1	0	0	0	1	0	0	1
4	0	1	0	1	0	0	0	1	0	1	0
5	1	0	0	1	0	0	0	1	0	1	0
6	0	0	1	0	1	0	0	1	0	0	1
7	1	0	0	0	1	0	1	0	0	1	0
8	1	0	0	1	0	0	0	1	0	1	0
9	1	0	0	1	0	0	0	1	0	1	0
10	1	0	0	1	0	0	0	1	0	1	0
11	1	0	0	1	0	1	0	0	0	1	0
12	0	1	0	0	1	1	0	0	0	0	1
13	1	0	0	0	1	1	0	0	0	0	1
14	1	0	0	1	0	0	0	1	0	1	0
15	1	0	0	1	0	0	0	1	0	1	0
16	1	0	0	1	0	1	0	0	0	1	0
17	1	0	0	0	1	1	0	0	0	0	1
18	1	0	0	0	1	0	1	0	0	1	0

Continued...

Table S2, cont.

Clone	15. Leaf: petiole		16. Leaf blade: length (cm)		17. Leaf blade: width (cm)		18. Leaf blade: ratio length/width (cm)		19. Leaf blade: pubescence on the lower face		20. Leaf blade: the intensity of the color green on the upper face	
	Absent	Present	Short	Long	Narrow	Large	Small	Large	Absent	Present	Light	Dark
1	1	0	1	0	1	0	1	0	1	0	1	0
2	1	0	1	0	1	0	1	0	1	0	1	0
3	0	1	0	1	0	1	0	1	0	1	0	1
4	1	0	1	0	1	0	1	0	1	0	0	1
5	0	1	1	0	1	0	0	1	1	0	1	0
6	0	1	0	1	0	1	1	0	0	1	1	0
7	0	1	0	1	0	1	0	1	0	1	0	1
8	0	1	1	0	0	1	1	0	1	0	0	1
9	0	1	1	0	1	0	0	1	1	0	1	0
10	1	0	1	0	1	0	0	1	1	0	1	0
11	0	1	0	1	0	1	1	0	0	1	0	1
12	0	1	0	1	0	1	0	1	0	1	0	1
13	0	1	0	1	0	1	0	1	0	1	1	0
14	1	0	1	0	1	0	1	0	0	1	0	1
15	0	1	1	0	1	0	1	0	1	0	0	1
16	0	1	0	1	0	1	0	1	0	1	1	0
17	0	1	0	1	0	1	1	0	0	1	0	1
18	0	1	0	1	0	1	1	0	0	1	0	1

Clone	21. Leaf blade: the intensity of the color green on the lower face		22. Leaf blade: shape		23. Leaf blade: shape of the tip of the apex			24. Leaf blade: margin		25. Leaf blade: margin undulation	
	Light	Dark	Elliptical	Obovate	Acute	Cuspidate	Mucronate	Dentate	Whole	Low	Medium
1	1	0	0	1	0	0	1	0	1	1	0
2	1	0	1	0	1	0	0	0	1	0	1
3	0	1	1	0	1	0	0	1	0	1	0
4	1	0	0	1	0	0	1	0	1	1	0
5	1	0	1	0	0	1	0	0	1	1	0
6	1	0	1	0	1	0	0	1	0	1	0
7	0	1	1	0	0	1	0	0	1	0	1
8	1	0	1	0	0	1	0	0	1	1	0
9	1	0	1	0	1	0	0	0	1	0	1
10	1	0	1	0	0	1	0	0	1	0	1
11	0	1	1	0	1	0	0	0	1	0	1
12	0	1	1	0	1	0	0	0	1	1	0
13	1	0	1	0	1	0	0	0	1	1	0
14	0	1	1	0	0	1	0	0	1	1	0
15	1	0	1	0	1	0	0	0	1	0	1
16	1	0	1	0	1	0	0	0	1	1	0
17	0	1	1	0	0	1	0	0	1	0	1
18	0	1	1	0	0	1	0	0	1	1	0

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*Supplementary tables to the article “Morphological descriptors for the characterization of teak clones (*Tectona grandis* L.f.) in plantations”, by Jorge-L. Reategui-Betancourt, Daniele-Aparecida-A. Arriel, Sidney-Fernando Caldeira, Antonio-Rioyei Higa, Paulo C. Flôres Junior, Stefania-Palma Araujo, Rudmilla Menezes-Marques, Bruna-Maria-B. Corrêa and Diego-Tyszka Martinez. Forest Systems Vol. 29 No. 2, August 2020*
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Table S2, cont.

Clone	26. Leaf blade: venation		27. Leaf blade: brightness		28. Inflorescence	
	Does not touch the margin	Touches the margin	Absent	Present	Absent	Present
1	1	0	0	1	0	1
2	0	1	0	1	0	1
3	0	1	1	0	1	0
4	1	0	0	1	1	0
5	1	0	0	1	1	0
6	0	1	1	0	0	1
7	1	0	1	0	1	0
8	1	0	0	1	0	1
9	1	0	0	1	1	0
10	1	0	0	1	0	1
11	1	0	1	0	0	1
12	1	0	1	0	1	0
13	1	0	1	0	1	0
14	1	0	0	1	0	1
15	0	1	0	1	1	0
16	1	0	1	0	0	1
17	1	0	1	0	1	0
18	1	0	1	0	1	0

Table S3. Morphological characteristics to differentiate clones of *Tectona grandis* L.f., at 29 months of age

Characteristic	Identification of characteristic	Description code	Code that better describes the cultivar
1. Trunk: insertion angle of the branches	Acute	1	()
	Right	2	
	Obtuse	3	
2. Trunk: intensity of gray color	Light	1	()
	Medium	2	
	Dark	3	
3. Trunk: Intensity of the brownish color of bark	Light	1	()
	Medium	2	
	Dark	3	
4. Trunk: Inner color of bark	Whitish	1	()
	Yellowish	2	
	Light Greenish	3	
	Dark greenish	4	
5. Trunk: suckers	Absent	1	()
	Present	2	
6. Trunk: persistence of bark	Low	1	()
	Medium	2	
	High	3	
7. Trunk: bark drop	No drop	1	()
	Cracks	2	
8. Branch: leaf position	Throughout the branch	1	()
	Only at the apex of the branch	2	
9. Apical branch: leaf position	Throughout the apical branch	1	()
	Only at the apex of the apical branch	2	
10. Branch: tropism	Erect	1	()
	Bent	2	
	Pending	3	
11. Branch: sprouting	Absent	1	()
	Present	2	
12. Crown: density	Low	1	()
	Medium	2	
	High	3	
13. Leaf: leaf attitude	Erect	1	()
	Horizontal	2	
	Pending	3	
14. Leaf: petiole	Absent	1	()
	Present	2	
15. Leaf blade: length (cm)	Short	1	()
	Long	2	

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<https://doi.org/10.5424/fs/2020292-15634>

16. Leaf blade: width (cm)	Narrow	1	()
	Large	2	
17. Leaf blade: ratio length/width (cm)	Small	1	()
	Large	2	
18. Leaf blade: pubescence on the lower face	Absent	1	()
	Present	2	
19. Leaf blade: the intensity of the color green on the upper face	Light	1	()
	Dark	2	
20. Leaf blade: the intensity of the color green on the lower face	Light	1	()
	Dark	2	
21. Leaf blade: shape	Elliptical	1	()
	Obovate	2	
22. Leaf blade: shape of the tip of the apex	Acute	1	()
	Cuspidate	2	
	Mucronate	3	
23. Leaf blade: margin	Dentate	1	()
	Whole	2	
24. Leaf blade: margin undulation	Low	1	()
	Medium	2	
	High	3	
25. Leaf blade: venation	Does not touch the margin	1	()
	Touches the margin	2	
26. Leaf blade: brightness	Absent	1	()
	Present	2	

Table S4. Morphological characteristics to differentiate clones of *Tectona grandis* L.f., at 41 months of age

Characteristic	Identification of characteristic	Description code	Code that better describes the cultivar
1. Trunk: insertion angle of the branches	Acute	1	()
	Right	2	
	Obtuse	3	
2. Trunk: intensity of gray color	Light	1	()
	Medium	2	
	Dark	3	
3. Trunk: Intensity of the brow color of bark	Light	1	()
	Medium	2	
	Dark	3	
4. Trunk: color of inner bark	Whitish	1	()
	Yellowish	2	
	Light Greenish	3	
	Dark greenish	4	
5. Trunk: Suckers	Absent	1	()
	Present	2	
6. Trunk: spots on the trunk	Absent	1	()
	Present	2	
7. Trunk: persistence of bark	Low	1	()
	Medium	2	
	High	3	
8. Trunk: bark drop	No drop	1	()
	Cracks	2	
9. Branch: leaf position	Throughout the branch	1	()
	Only at the apex of the branch	2	
10. Apical branch: leaf position	Throughout the apical branch	1	()
	Only at the apex of the apical branch	2	
11. Branch: tropism	Erect	1	()
	Bent	2	
	Pending	3	
12. Branch: sprouting	Absent	1	()
	Present	2	
13. Crown: density	Low	1	()
	Medium	2	
	High	3	
14. Leaf: leaf attitude	Erect	1	()
	Horizontal	2	
	Pending	3	
15. Leaf: petiole	Absent	1	()
	Present	2	

Supplementary tables to the article “Morphological descriptors for the characterization of teak clones (Tectona grandis L.f.) in plantations”, by Jorge-L. Reategui-Betancourt, Daniele-Aparecida-A. Arriel, Sidney-Fernando Caldeira, Antonio-Rioyey Higa, Paulo C. Flôres Junior, Stefania-Palma Araujo, Rudmilla Menezes-Marques, Bruna-Maria-B. Corrêa and Diego-Tyszka Martinez. Forest Systems Vol. 29 No. 2, August 2020
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16. Leaf blade: length (cm)	Short	1	()
	Long	2	
17. Leaf blade: width (cm)	Narrow	1	()
	Large	2	
18. Leaf blade: ratio length/width (cm)	Small	1	()
	Large	2	
19. Leaf blade: pubescence on the lower face	Absent	1	()
	Present	2	
20. Leaf blade: the intensity of the color green on the upper face	Light	1	()
	Dark	2	
21. Leaf blade: the intensity of the color green on the lower face	Light	1	()
	Dark	2	
22. Leaf blade: shape	Elliptical	1	()
	Obovate	2	
23. Leaf blade: shape of the tip of the apex	Acute	1	()
	Cuspidate	2	
	Mucronate	3	
24. Leaf blade: margin	Dentate	1	()
	Whole	2	
25. Leaf blade: margin undulation	Low	1	()
	Medium	2	
	High	3	
26. Leaf blade: venation	Does not touch the margin	1	()
	Touches the margin	2	
27. Leaf blade: brightness	Absent	1	()
	Present	2	
28. Inflorescence	Absent	1	()
	Present	2	

Table S5. Discarded characteristics as morphological descriptors. "X" represents the characteristics of whose level of expression was not homogeneous within the same clone

Clone	Trunk: crown habit	Trunk: number of internodes per linear meter (measure from 1m above the ground)	Trunk: distance between nodes in 1 m (Measure from 1m above the ground)	Branch: shape in cross section	
	Fluted (1) Cylindrical (2) Oval (3) Tabulate (4)	Number of internodes: ≥ 11 (1) ≤ 10 (2)	Equal to 12 cm (1) Higher than 12 cm (2) Lower than 12 cm (3)	Cylindrical (1) Oval (2)	
1	x	x	x		x
2	x	x	x		x
3	1	2	x		x
4	x	x	x		1
5	1	x	x		x
6	x	x	x		x
7	1	x	x		x
8	x	x	x		x
9	x	x	x		1
10	x	x	x		x
11	x	x	x		x
12	1	x	x		1
13	x	x	x		x
14	x	x	x		1
15	x	1	x		x
16	1	x	2		x
17	1	x	x		x
18	1	2	2		x

Clone	Branch: pubescence	Apical Branch: insertion of branches	Leaf: phyllotaxy	Leaf: petiole length	Leaf blade: pubescence on the upper face
	Absent (1) Present (2)	Absent (1) Present (2)	Opposite (1) Decussate (2)	Small ≤ 2 cm (1) Medium 2-4cm (2) large $\geq 4,1$ cm(3)	Absent (1) Present (2)
1	1	2	2	x	2
2	1	x	2	x	2
3	1	1	2	x	2
4	1	x	2	x	2
5	1	x	2	1	2
6	x	1	2	1	2
7	2	1	2	x	2
8	1	x	2	1	2
9	1	x	2	1	2
10	1	2	2	x	2
11	2	1	2	3	2
12	x	1	2	x	2
13	1	1	2	x	2
14	1	x	2	x	2
15	1	2	2	x	2
16	x	1	2	x	2

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17	2	1	2	3	2
18	1	1	2	3	2
Clone	Leaf blade: consistency	Leaf blade: shape of basis	Leaf blade: main vein	Leaf blade: veins	
	Membranaceous (1) Coriaceous (2) Cartaceous (3)	Oblique (1) cuneate (2) Obtuse (3) Atenuada (4) Truncated (5)	Does not touch the margin (1) Touches the margin (2)	Secondary (1) Tertiary (2) Quaternary (3)	
1	3	2	2		3
2	3	2	2		3
3	3	2	2		3
4	3	2	2		3
5	3	2	2		3
6	3	2	2		3
7	3	2	2		3
8	3	2	2		3
9	3	2	2		3
10	3	2	2		3
11	3	2	2		3
12	3	2	2		3
13	3	2	2		3
14	3	2	2		3
15	3	2	2		3
16	3	2	2		3
17	3	2	2		3
18	3	2	2		3

1 **Table S6.** Similarity matrices among clones of morphological characteristics of *Tectona grandis* L.f, at 29 and 41 months of age
2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1	0,575758	0,268293	0,625	0,529412	0,155556	0,155556	0,368421	0,529412	0,529412	0,181818	0,083333	0,181818	0,405405	0,529412	0,181818	0,061224	0,130435
2	0,575758	1	0,368421	0,485714	0,485714	0,209302	0,155556	0,368421	0,575758	0,733333	0,209302	0,083333	0,181818	0,485714	0,733333	0,238095	0,106383	0,130435
3	0,268293	0,368421	1	0,181818	0,333333	0,575758	0,333333	0,368421	0,405405	0,238095	0,485714	0,3	0,444444	0,333333	0,529412	0,444444	0,268293	0,3
4	0,625	0,485714	0,181818	1	0,444444	0,130435	0,130435	0,368421	0,444444	0,444444	0,083333	0,155556	0,106383	0,405405	0,444444	0,181818	0,083333	0,181818
5	0,529412	0,485714	0,333333	0,444444	1	0,209302	0,333333	0,575758	0,575758	0,529412	0,238095	0,181818	0,238095	0,575758	0,677419	0,333333	0,181818	0,3
6	0,155556	0,209302	0,575758	0,130435	0,209302	1	0,444444	0,444444	0,209302	0,155556	0,405405	0,485714	0,575758	0,268293	0,268293	0,444444	0,333333	0,444444
7	0,155556	0,155556	0,333333	0,130435	0,333333	0,444444	1	0,529412	0,209302	0,268293	0,485714	0,529412	0,625	0,444444	0,209302	0,625	0,575758	0,677419
8	0,368421	0,368421	0,368421	0,368421	0,575758	0,444444	0,529412	1	0,444444	0,444444	0,368421	0,368421	0,444444	0,485714	0,444444	0,529412	0,333333	0,529412
9	0,529412	0,575758	0,405405	0,444444	0,575758	0,209302	0,209302	0,444444	1	0,485714	0,238095	0,155556	0,209302	0,405405	0,625	0,3	0,155556	0,181818
10	0,529412	0,733333	0,238095	0,444444	0,529412	0,155556	0,268293	0,444444	0,485714	1	0,238095	0,106383	0,209302	0,677419	0,529412	0,268293	0,181818	0,209302
11	0,181818	0,209302	0,485714	0,083333	0,238095	0,405405	0,485714	0,368421	0,238095	0,238095	1	0,625	0,733333	0,333333	0,268293	0,677419	0,625	0,485714
12	0,083333	0,083333	0,3	0,155556	0,181818	0,485714	0,529412	0,368421	0,155556	0,106383	0,625	1	0,733333	0,238095	0,130435	0,529412	0,677419	0,677419
13	0,181818	0,181818	0,444444	0,106383	0,238095	0,575758	0,625	0,444444	0,209302	0,209302	0,733333	0,733333	1	0,3	0,238095	0,625	0,575758	0,575758
14	0,405405	0,485714	0,333333	0,405405	0,575758	0,268293	0,444444	0,485714	0,405405	0,677419	0,333333	0,238095	0,3	1	0,485714	0,444444	0,268293	0,368421
15	0,529412	0,733333	0,529412	0,444444	0,677419	0,268293	0,209302	0,444444	0,625	0,529412	0,268293	0,130435	0,238095	0,485714	1	0,3	0,106383	0,181818
16	0,181818	0,238095	0,444444	0,181818	0,333333	0,444444	0,625	0,529412	0,3	0,268293	0,677419	0,529412	0,625	0,444444	0,3	1	0,575758	0,575758
17	0,061224	0,106383	0,268293	0,083333	0,181818	0,333333	0,575758	0,333333	0,155556	0,181818	0,625	0,677419	0,575758	0,268293	0,106383	0,575758	1	0,625
18	0,130435	0,130435	0,3	0,181818	0,3	0,444444	0,677419	0,529412	0,181818	0,209302	0,485714	0,677419	0,575758	0,368421	0,181818	0,575758	0,625	1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1	0,6	0,302326	0,69697	0,555556	0,244444	0,098039	0,473684	0,513514	0,555556	0,166667	0,056604	0,166667	0,513514	0,513514	0,191489	0,098039	0,166667
2	0,6	1	0,333333	0,4	0,435897	0,302326	0,142857	0,473684	0,6	0,647059	0,244444	0,098039	0,217391	0,435897	0,69697	0,217391	0,166667	0,166667
3	0,302326	0,333333	1	0,272727	0,4	0,435897	0,272727	0,302326	0,4	0,244444	0,272727	0,302326	0,333333	0,333333	0,473684	0,244444	0,272727	0,302326
4	0,69697	0,4	0,272727	1	0,513514	0,217391	0,142857	0,435897	0,473684	0,365854	0,12	0,142857	0,098039	0,473684	0,473684	0,142857	0,244444	0,244444
5	0,555556	0,435897	0,4	0,513514	1	0,217391	0,244444	0,513514	0,75	0,555556	0,142857	0,166667	0,244444	0,513514	0,555556	0,272727	0,191489	0,272727
6	0,244444	0,302326	0,435897	0,217391	0,217391	1	0,244444	0,365854	0,217391	0,217391	0,244444	0,272727	0,365854	0,272727	0,244444	0,302326	0,272727	0,365854
7	0,098039	0,142857	0,272727	0,142857	0,244444	0,244444	1	0,365854	0,272727	0,302326	0,513514	0,555556	0,473684	0,333333	0,217391	0,473684	0,69697	0,69697
8	0,473684	0,473684	0,302326	0,435897	0,513514	0,365854	0,365854	1	0,513514	0,555556	0,333333	0,244444	0,302326	0,6	0,513514	0,365854	0,333333	0,473684
9	0,513514	0,6	0,4	0,473684	0,75	0,217391	0,272727	0,513514	1	0,6	0,217391	0,191489	0,272727	0,4	0,75	0,302326	0,217391	0,244444
10	0,555556	0,647059	0,244444	0,365854	0,555556	0,217391	0,302326	0,555556	0,6	1	0,272727	0,142857	0,272727	0,6	0,513514	0,302326	0,217391	0,244444
11	0,166667	0,244444	0,272727	0,12	0,142857	0,244444	0,513514	0,333333	0,217391	0,272727	1	0,6	0,513514	0,302326	0,272727	0,69697	0,647059	0,473684
12	0,056604	0,098039	0,302326	0,142857	0,166667	0,272727	0,555556	0,244444	0,191489	0,142857	0,6	1	0,647059	0,217391	0,142857	0,647059	0,69697	0,513514
13	0,166667	0,217391	0,333333	0,098039	0,244444	0,365854	0,473684	0,302326	0,272727	0,272727	0,513514	0,647059	1	0,191489	0,217391	0,647059	0,513514	0,473684
14	0,513514	0,435897	0,333333	0,473684	0,513514	0,272727	0,333333	0,6	0,4	0,6	0,302326	0,217391	0,191489	1	0,4	0,272727	0,302326	0,4
15	0,513514	0,69697	0,473684	0,473684	0,555556	0,244444	0,217391	0,513514	0,75	0,513514	0,272727	0,142857	0,217391	0,4	1	0,191489	0,217391	0,244444
16	0,191489	0,217391	0,244444	0,142857	0,272727	0,302326	0,473684	0,365854	0,302326	0,302326	0,69697	0,647059	0,647059	0,272727	0,191489	1	0,513514	0,435897
17	0,098039	0,166667	0,272727	0,142857	0,191489	0,272727	0,69697	0,333333	0,217391	0,217391	0,647059	0,69697	0,513514	0,302326	0,217391	0,513514	1	0,647059
18	0,166667	0,166667	0,302326	0,244444	0,272727	0,365854	0,69697	0,473684	0,244444	0,244444	0,473684	0,513514	0,473684	0,4	0,244444	0,435897	0,647059	1

Table S7. Morphological descriptors that had DHS, for clones of *Tectona grandis* L. f. at 29 and 41 months of age

Characteristic	Identification of characteristic	Description code	Code that better describes the cultivar
1. Trunk: insertion angle of the branches	Acute	1	()
	Right	2	
	Obtuse	3	
2. Trunk: color of inner bark	Whitish	1	()
	Yellowish	2	
	Light Greenish	3	
	Dark greenish	4	
3. Trunk: suckers	Absent	1	()
	Present	2	
4. Trunk: persistence of bark	Low	1	()
	Medium	2	
	High	3	
5. Trunk: bark drop	No drop	1	()
	Cracks	2	
6. Branch: tropism	Erect	1	()
	Bent	2	
	Pending	3	
7. Branch: sprouting	Absent	1	()
	Present	2	
8. Crown: density	Low	1	()
	Medium	2	
	High	3	
9. Leaf: petiole	Absent	1	()
	Present	2	
10. Leaf blade: length (cm)	Short	1	()
	Long	2	
11. Leaf blade: width (cm)	Narrow	1	()
	Large	2	
12. Leaf blade: pubescence on the lower face	Absent	1	()
	Present	2	
13. Leaf blade: shape	Elliptical	1	()
	Obovate	2	
14 Leaf blade: shape of the tip of the apex	Acute	1	()
	Cuspidate	2	
	Mucronate	3	
15. Leaf blade: margin	Dentate	1	()
	Whole	2	
16. Leaf blade: venation	Does not touch the margin	1	()
	Touches the margin	2	
17. Leaf blade: brightness	Absent	1	()
	Present	2	

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Table S8. Similarity matrixes among clones for the 17 morphological characteristics of *Tectona grandis* L.f, at 29 and 41 months of age

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1	0,61904762	0,25925926	0,78947368	0,47826087	0,09375	0,096774194	0,416667	0,545455	0,545455	0,172414	0,0625	0,133333	0,416667	0,545455	0,172414	0,096774	0,133333
2	0,61904762	1	0,41666667	0,47826087	0,47826087	0,25	0,13333333	0,478261	0,619048	0,619048	0,259259	0,133333	0,214286	0,478261	0,789474	0,259259	0,133333	0,172414
3	0,25925926	0,41666667	1	0,17241379	0,30769231	0,52173913	0,25925926	0,307692	0,416667	0,214286	0,416667	0,259259	0,36	0,214286	0,545455	0,416667	0,259259	0,307692
4	0,78947368	0,47826087	0,17241379	1	0,47826087	0,12903226	0,096774194	0,416667	0,545455	0,416667	0,096774	0,133333	0,0625	0,416667	0,416667	0,172414	0,096774	0,133333
5	0,47826087	0,47826087	0,30769231	0,47826087	1	0,12903226	0,25925926	0,619048	0,789474	0,545455	0,214286	0,172414	0,172414	0,545455	0,619048	0,307692	0,259259	0,307692
6	0,09375	0,25	0,52173913	0,12903226	0,12903226	1	0,34615385	0,296296	0,206897	0,166667	0,346154	0,458333	0,4	0,206897	0,25	0,4	0,346154	0,4
7	0,096774194	0,13333333	0,25925926	0,096774194	0,25925926	0,34615385	1	0,416667	0,214286	0,307692	0,545455	0,619048	0,619048	0,416667	0,133333	0,545455	0,789474	0,789474
8	0,41666667	0,47826087	0,30769231	0,41666667	0,61904762	0,2962963	0,41666667	1	0,619048	0,619048	0,36	0,307692	0,307692	0,619048	0,478261	0,478261	0,416667	0,478261
9	0,54545455	0,61904762	0,41666667	0,54545455	0,78947368	0,20689655	0,21428571	0,619048	1	0,478261	0,259259	0,214286	0,214286	0,478261	0,789474	0,36	0,214286	0,259259
10	0,54545455	0,61904762	0,21428571	0,41666667	0,54545455	0,16666667	0,30769231	0,619048	0,478261	1	0,307692	0,172414	0,259259	0,789474	0,478261	0,307692	0,259259	0,307692
11	0,17241379	0,25925926	0,41666667	0,096774194	0,21428571	0,34615385	0,54545455	0,36	0,259259	0,307692	1	0,7	0,888889	0,307692	0,259259	0,789474	0,7	0,545455
12	0,0625	0,13333333	0,25925926	0,13333333	0,17241379	0,45833333	0,61904762	0,307692	0,214286	0,172414	0,7	1	0,789474	0,259259	0,133333	0,7	0,789474	0,619048
13	0,13333333	0,21428571	0,36	0,0625	0,17241379	0,4	0,61904762	0,307692	0,214286	0,259259	0,888889	0,789474	1	0,259259	0,214286	0,7	0,789474	0,619048
14	0,41666667	0,47826087	0,21428571	0,41666667	0,54545455	0,20689655	0,41666667	0,619048	0,478261	0,789474	0,307692	0,259259	0,259259	1	0,36	0,416667	0,36	0,416667
15	0,54545455	0,78947368	0,54545455	0,41666667	0,61904762	0,25	0,13333333	0,478261	0,789474	0,478261	0,259259	0,133333	0,214286	0,36	1	0,259259	0,133333	0,172414
16	0,17241379	0,25925926	0,41666667	0,17241379	0,30769231	0,4	0,54545455	0,478261	0,36	0,307692	0,789474	0,7	0,7	0,416667	0,259259	1	0,7	0,7
17	0,096774194	0,13333333	0,25925926	0,096774194	0,25925926	0,34615385	0,78947368	0,416667	0,214286	0,259259	0,7	0,789474	0,789474	0,36	0,133333	0,7	1	0,789474
18	0,13333333	0,17241379	0,30769231	0,13333333	0,30769231	0,4	0,78947368	0,478261	0,259259	0,307692	0,545455	0,619048	0,619048	0,416667	0,172414	0,7	0,789474	1