



# ICSB/CIRAD Teak Clone Characteristics



**Species:** *Tectona grandis*  
**Origin:** Solomon Island  
**Identity:** ICSB/CIRAD Clone TG8

Available in the form of:

**Ready for planting cuttings** ( for local market)



or ***In vitro*-derived microcuttings** (for international market)



Packed and delivered under contamination-free conditions to meet foreign country phytosanitary requirements



4 yr-old Teak clones in Sabah (East Malaysia)

**For further information and inquiry please contact:**

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Narrow crown and clear bole clones suitable for intercropping with cash crops such as oil palm



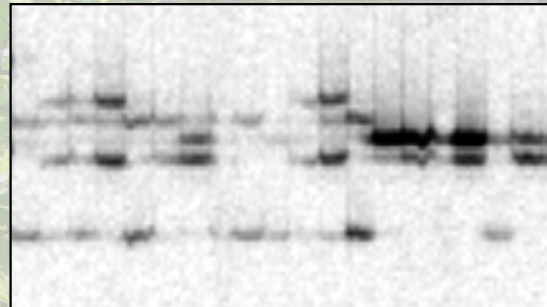


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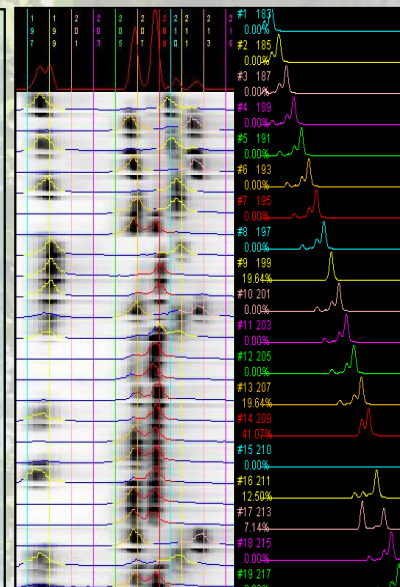


## DNA fingerprinting - Wood characteristics

### DNA Fingerprinting



Microsatellite locus name	Accession EMBL Database	Alleles
CIRAD1TeakA06	AJ968929	203 227
CIRAD1TeakB03	AJ968930	248 248
CIRAD1TeakF05	AJ968931	268 270
CIRAD1TeakG02	AJ968932	168 168
CIRAD1TeakH10	AJ968933	234 236
CIRAD2TeakB07	AJ968934	145 147
CIRAD2TeakC03	AJ968935	280 280
CIRAD3TeakA11	AJ968936	278 280
CIRAD3TeakB02	AJ968937	233 239
CIRAD3TeakD09	AJ968938	209 209
CIRAD3TeakF01	AJ968940	207 217
CIRAD4TeakH09	AJ968943	224 238



Wood characteristics after 10 years of growth in Sabah conditions		Tropix reference <sup>2</sup>
Heartwood proportion	63 %	-
Basic density	555 ± 51 kgm <sup>-3</sup>	670 ± 60 kgm <sup>-3</sup>
Radial shrinkage	1.8 ± 0.4 %	2.6 ± 0.4 %
Tangential shrinkage	2.2 ± 0.3 %	4.7 ± 0.8 %
T/R Ratio (Nervosity)	1.3 ± 0.1	1.8 ± 0.3 %
Modulus of Elasticity	13784 ± 1907 MPa	13740 ± 2749 MPa
Modulus of Rupture	122 ± 10 MPa	98 ± 13 MPa
Natural Durability <sup>1</sup>	Durable	Very Durable



<sup>1</sup> Durability towards Basidiomycete fungi, <sup>2</sup> <http://tropix.cirad.fr>