



# ICSB/CIRAD Teak Clone Characteristics



**Species:** *Tectona grandis*  
**Origin:** Solomon Island  
**Identity:** ICSB/CIRAD Clone TG7

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



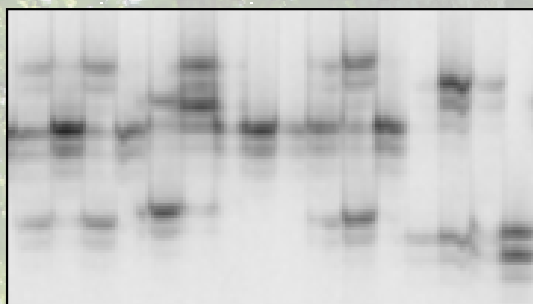


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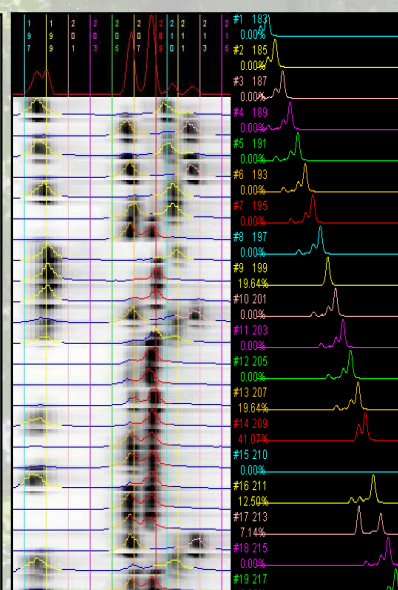


## DNA fingerprinting - Wood characteristics

### DNA Fingerprinting



Microsatellite locus name	Accession EMBL Database	Alleles
CIRAD1TeakA06	AJ968929	215 227
CIRAD1TeakB03	AJ968930	248 258
CIRAD1TeakF05	AJ968931	270 270
CIRAD1TeakG02	AJ968932	168 170
CIRAD1TeakH10	AJ968933	228 238
CIRAD2TeakB07	AJ968934	143 145
CIRAD2TeakC03	AJ968935	280 280
CIRAD3TeakA11	AJ968936	274 276
CIRAD3TeakB02	AJ968937	245 247
CIRAD3TeakD09	AJ968938	207 209
CIRAD3TeakF01	AJ968940	217 229
CIRAD4TeakD12	AJ968941	139 139
CIRAD4TeakH09	AJ968943	226 226



Wood characteristics after 10 years of growth in Sabah conditions		Tropix reference <sup>2</sup>
Heartwood proportion	49 %	-
Basic density	512 ± 50 kgm <sup>-3</sup>	670 ± 60 kgm <sup>-3</sup>
Radial shrinkage	2.3 ± 0.4 %	2.6 ± 0.4 %
Tangential shrinkage	3.1 ± 0.3 %	4.7 ± 0.8 %
T/R Ratio (Nervosity)	1.5 ± 0.3	1.8 ± 0.3 %
Modulus of Elasticity	12613 ± 1696 MPa	13740 ± 2749 MPa
Modulus of Rupture	112 ± 14 MPa	98 ± 13 MPa
Natural Durability <sup>1</sup>	Moderately durable	Very Durable



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