



ICSB/CIRAD Teak Clone Characteristics



Species: *Tectona grandis*
Origin: Solomon Island
Identity: ICSB/CIRAD Clone TG1

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

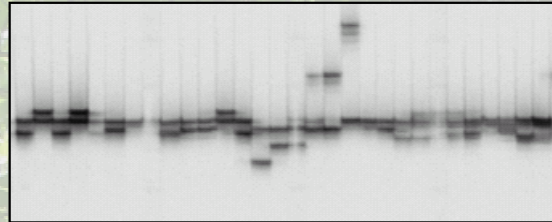


ICSB/CIRAD Clone TG1

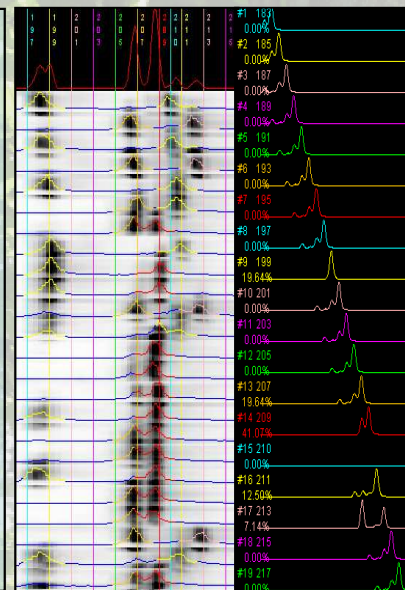


DNA fingerprinting - Wood characteristics

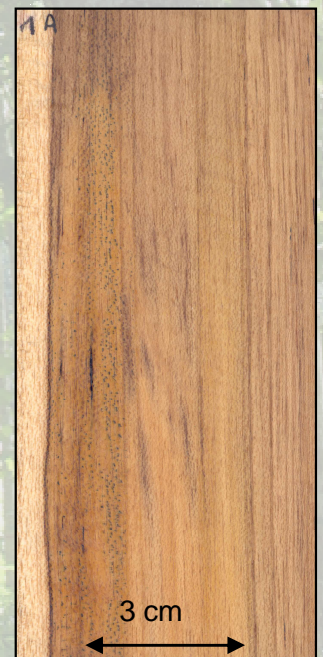
DNA Fingerprinting



Microsatellite locus name	Accession EMBL Database	Alleles
CIRAD1TeakA06	AJ968929	215 227
CIRAD1TeakB03	AJ968930	248 248
CIRAD1TeakF05	AJ968931	268 276
CIRAD1TeakG02	AJ968932	168 168
CIRAD1TeakH10	AJ968933	228 228
CIRAD2TeakB07	AJ968934	143 145
CIRAD2TeakC03	AJ968935	280 280
CIRAD3TeakA11	AJ968936	274 280
CIRAD3TeakB02	AJ968937	237 251
CIRAD3TeakD09	AJ968938	207 209
CIRAD3TeakF01	AJ968940	217 229
CIRAD4TeakD12	AJ968941	143 143
CIRAD4TeakH09	AJ968943	226 228



Wood characteristics after 10 years of growth in Sabah conditions		Tropix reference ²
Heartwood proportion	59 %	-
Basic density	546 ± 18 kgm ⁻³	670 ± 60 kgm ⁻³
Radial shrinkage	2.3 ± 0.4 %	2.6 ± 0.4 %
Tangential shrinkage	2.5 ± 0.5 %	4.7 ± 0.8 %
T/R Ratio (Nervosity)	1.1 ± 0.2	1.8 ± 0.3 %
Modulus of Elasticity	13953 ± 1945 MPa	13740 ± 2749 MPa
Modulus of Rupture	102 ± 16 MPa	98 ± 13 MPa
Natural Durability ¹	Durable (1-4)	Very Durable



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