



ICSB/CIRAD Teak Clone Characteristics



Species: *Tectona grandis*
Origin: Solomon Island
Identity: ICSB/CIRAD Clone TG4

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

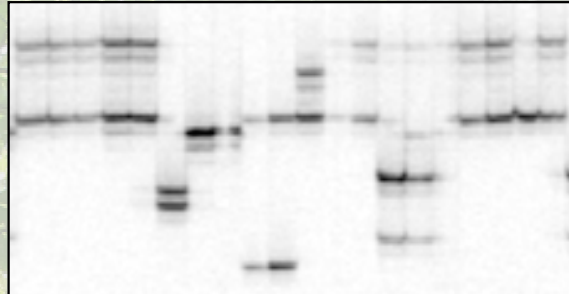


ICSB/CIRAD Clone TG4

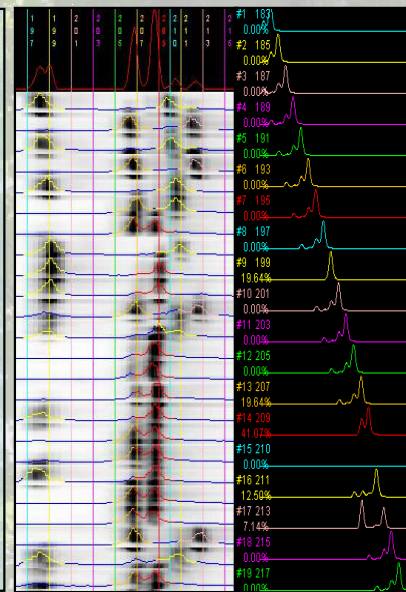


DNA fingerprinting - Wood characteristics

DNA Fingerprinting



Microsatellite locus name	Accession EMBL Database	Alleles
CIRAD1TeakA06	AJ968929	193 209
CIRAD1TeakB03	AJ968930	250 250
CIRAD1TeakF05	AJ968931	270 270
CIRAD1TeakG02	AJ968932	168 168
CIRAD1TeakH10	AJ968933	238 238
CIRAD2TeakB07	AJ968934	145 153
CIRAD2TeakC03	AJ968935	280 294
CIRAD3TeakA11	AJ968936	270 274
CIRAD3TeakB02	AJ968937	237 245
CIRAD3TeakD09	AJ968938	207 209
CIRAD3TeakF01	AJ968940	219 219
CIRAD4TeakD12	AJ968941	141 141
CIRAD4TeakH09	AJ968943	226 226



Wood characteristics after 10 years of growth in Sabah conditions		Tropix reference ²
Heartwood proportion	61 %	-
Basic density	520 ± 34 kgm ⁻³	670 ± 60 kgm ⁻³
Radial shrinkage	2.0 ± 0.9 %	2.6 ± 0.4 %
Tangential shrinkage	3.6 ± 1.4 %	4.7 ± 0.8 %
T/R Ratio (Nervosity)	1.9 ± 0.5	1.8 ± 0.3 %
Modulus of Elasticity	12847 ± 2050 MPa	13740 ± 2749 MPa
Modulus of Rupture	117 ± 14 MPa	98 ± 13 MPa
Natural Durability ¹	Durable	Very Durable



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