

Supplementary Table S1. Tea clone description

Description	Clones		
	TRI 2024	PS 1	GMB 7
Ancestry	Introduction from Sri Lanka	Selection	Cross pollination Mal 2 × PS 1
Type	Assamica	Assamica	Assamica
Apex folii	Acuminatus	Acuminatus	Acutus
Basis folii	Obstusus	Obtusus	Acutus
Margo folii	Serratus	Serratus	Serratus
Venatio	28–32 pieces (14–16 pairs)	36–40 pieces (18–20 pairs)	18–24 pieces (9–12 pairs)
Circumscriptio	2.34 : 1 (eleptico)	2.41 : 1 (eleptico oblongus)	2,0 : 1 (eleptico oblongus)
Petionus	0.4–0.6 cm	0.4–0,6 cm	02–06 cm
Intervenum	0.20 mm	0.27 mm	0,22 mm
Phyllotaxis	50–65 °	45–65 °	29–49 °
Trichome number	Low density	High density	64,25/mm²
Roots	High	High	High
Pest resistance	Moderate	Moderate	High
Disease resistance	Susceptible	High	High
Yield potential	2.7 ton/ha/year	5.5 ton/ha/year	5.8 ton/ha/year