

Table S1. List of clones used as references plants of cacao ancestry genetic groups according to Cornejo *et al.*, (2018).

ID	Plant Code	Genetic Group	ID	Plant Code	Genetic Group
crio01	Criollo	Criollo	mara40	PA – 218	Marañón
crio02	Sp1		mara42	PA – 150	
crio03	Sp3		mara43	PA – 51	
crio04	Sp9		mara44	PA – 107	
cura05	Cur 3 G39 - A10	Curaray	mara45	PA – 169	
cura06	Cur 3 G37 - A6		mara46	MO – 4	
cura07	Cur 3 G38 - A8		mara47	MO – 9	
cura08	LCTEEN - 141		mara48	PA 289	
cura09	SIL -1-G56-A6		mara50	PA -56	
nana10	SPEC - 194 75	Nanay	mara52	PA -121	
nana11	Pound 7		naci54	UF 273 T1	Nacional
nana14	Pound 7B		naci55	UF 273 T2	
nana15	Pound 10-B		naci56	AM -1 -54	
nana16	NA - 92		naci57	Brisas -1	
nana17	NA - 331		guia58	GU - 308A	Guiana
nana18	NA - 286		guia60	GU -300 P	
nana19	NA - 702		guia61	GU – 222	
cont20	NH - 53	Contamana	guia62	GU - 291F	
cont21	NH - 40		guia63	GU - 175P	
cont22	T 695 - SCA6 - A1		guia64	GU - 114P	
cont24	SCA 24.2		guia65	GU - 255V	
cont26	SCA -11		iqui67	IMC – 51	Iquitos
cont27	PMF - 27		iqui69	IMC – 12	
cont28	PMF - 20		iqui70	IMC – 50	
amel29	TRD86	Amelonado	iqui71	IMC – 20	
amel31	REDAMEL 1-31		iqui72	IMC -67	
amel32	SIAL 84		iqui73	IMC – 14	
amel33	SIAL 70		puru75	CAB 77 - PL5	Purús
amel34	SIC 806		puru76	CAB 76 - PL3	
amel35	mvP30		puru77	RB 47 - PL3	
amel36	SIAL 169		puru79	RB 39 - PL1	
amel37	Matina				
amel38	Matina Tica 2				
amel39	Catongo				

Legend: **ID:** Identifier used in this study, **Plant Code:** Code as Cornejo *et al.* (2018), **Genetic Group:** Plant memberships to cacao ancestry genetic groups defined by Motamayor *et al.* (2008) and assigned by Cornejo *et al.* (2018).

Note: Sequence data were downloaded from NCBI (*BioProject* PRJNA486011) using SRA toolkit v2.11.0 (SRA Toolkit Development Team, 2022) and processed as described (Cornejo *et al.*, 2018). The identified SNPs were confirmed by comparison with the SNP list deposited in European Variation Archive (<https://www.ebi.ac.uk/eva/>, *Project accession code* PRJEB28591).