

Table S1. Statistics of the cp sequencing data. Statistics of the total DNA sequencing data, the raw cpDNA sequence data extracted from the total DNA sequence data and the processed cpDNA sequence data after trimming (for Illumina reads) or error correction (for Nanopore reads).

Samples	Sequencing Technology	Total DNA		cpDNA raw		cpDNA processed	
		Number	Base pairs	Number	Base pairs	Number	Base pairs
Tanzania	Oxford Nanopore	162,245	908,578,558	6,710	43,894,816	6,640	43,221,116
	Illumina HiSeq	1,455,494,208	186,243,808,723	44,760,430	6,170,933,372	18,248,822	2,194,564,912
Beauregard	Illumina HiSeq	1,319,218,836	163,842,523,104	52,319,092	7,206,464,346	21,779,452	2,671,777,638
Dimbuka-Bukulula	Illumina HiSeq	80,787,812	19,330,582,638	4,246,912	1,022,942,302	2,666,050	523,850,147
Ejumula	Illumina HiSeq	59,674,376	14,124,540,940	3,946,270	938,987,861	2,222,263	428,676,853
Huarmeyano	Illumina HiSeq	66,721,046	15,977,092,316	7,258,138	1,750,406,135	4,620,059	911,640,204
Magabali	Illumina HiSeq	83,342,132	19,640,254,347	4,077,540	967,415,061	2,276,080	436,869,999
Mugande	Illumina HiSeq	64,254,100	15,205,752,780	6,011,284	1,430,591,955	3,469,665	670,210,997
NASPOT 1	Illumina HiSeq	66,711,860	15,738,698,608	5,305,044	1,261,255,668	2,966,181	571,737,880
NASPOT 10 O/f †	Illumina HiSeq	70,593,926	16,854,547,616	3,065,890	737,247,438	1,885,373	368,344,243
NASPOT 10 O/s ‡	Illumina HiSeq	108,278,344	25,889,327,854	4,251,080	1,024,174,082	2,664,841	524,744,630
NASPOT 11	Illumina HiSeq	63,171,192	15,105,715,581	3,134,776	755,382,715	1,974,860	388,147,941
NASPOT 5	Illumina HiSeq	71,235,332	16,760,486,390	4,776,142	1,130,613,885	2,603,145	497,136,520
NASPOT 5/58	Illumina HiSeq	67,910,100	16,198,479,012	3,883,032	932,726,075	2,378,858	464,217,002
NASPOT 7	Illumina HiSeq	52,214,752	12,417,154,211	2,915,732	698,004,630	1,737,428	337,112,725
NK259L	Illumina HiSeq	103,994,284	24,880,342,783	6,099,368	1,472,850,406	3,874,818	765,914,926
New Kawogo	Illumina HiSeq	70,012,692	16,651,794,153	3,069,316	735,172,657	1,827,940	353,951,207
Resisto	Illumina HiSeq	90,335,226	21,581,401,375	6,170,262	1,483,635,821	3,797,082	744,266,156
SPK004	Illumina HiSeq	100,121,654	23,897,021,214	3,869,412	930,459,547	2,399,054	469,800,982
Wagabolige	Illumina HiSeq	63,989,932	15,111,779,454	2,416,142	575,563,800	1,382,392	266,771,486
NCNSP-0323	Illumina HiSeq	195,905,758	29,385,863,700	13,429,910	1,985,219,710	13,429,910	1,985,219,710

† sample collected from filed

‡ sample collected from screen house.