

Table S3. Description of the parental genotypes of the Mwanga Diversity Panel (MDP). Population structure, CIP accession codes, clone types and country of origins were adopted from David *et al.*¹.

Clone name	Population [†]	CIP code	Clone type [‡]	Country of origin [§]	Ancestral data	Reference
Ejumula	A	443750	FV	UGA	Farmer variety of unknown parentage	1,2
NASPOT 1	A	191133.1	MV	UGA	Selection from bulked seed from a 1991 polycross block with 24 parents	3
Dimbuka-Bukulula	A	443752	FV	UGA	Farmer variety of unknown parentage	4
NASPOT 5/58	A	na	BL	UGA	Selection from bulked seed from a 1991 polycross block with 24 parents	5,6
NASPOT 7	A	100200.1	MV	UGA	Progeny of Kakamega (SPK004) from seed produced in a 2000 polycross block with 24 parents	4
SPK004	A	441768	FV	KEN	Farmer variety of unknown parentage	2
NASPOT 10 O	A	100200.4	MV	UGA	Progeny of Kakamega (SPK004) from seed produced in a 2000 polycross block with 24 parents	4
NK259L	A	na	BL	UGA	Breeding line (progeny) from New Kawogo selected at same time as NASPOT 11 (also from same parent)	7
Resisto	B	440001	MV	USA	Obtained from CIP/Kenya, KEPHIS	8,9
Magabali	B	na	MV	UGA	Farmer variety of unknown parentage	10,11
NASPOT 5	B	191133.5	MV	UGA	Selection from bulked seed from a 1991 polycross block with 24 parents	3
Wagabolige	B	440167	FV	UGA	Farmer variety of unknown parentage	3
Mugande	B	na	MV	UGA	Farmer variety of unknown parentage	10,11
NASPOT 11	B	100201	MV	UGA	Progeny of New Kawogo from seed produced in a 2000 polycross block with 24 parents	7
New Kawogo	B	441745	FV	UGA	Farmer variety of unknown parentage	3
Huarmeyano	B	420020	FV	PER	Breeding landrace from Peru	5,6

† Population:

A, Population Uganda A (i.e. from small crossing block in Uganda; original population was of 50 parents)

B, Population Uganda B (i.e. from big crossing block in Uganda; original population was of 80 parents)

‡ Clone type:

FV, farmer variety; MV, modern variety; BL, breeding line.

§ Country of origin:

KEN, Kenya; PER, Peru; UGA, Uganda; USA, United States of America.

na: not applicable.

References

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