

Supplementary File 1: Musa accessions used in this study.

Journal: Theoretical and Applied Genetics, Title: Discovery of nucleotide polymorphisms in the *Musa* gene pool by Ecotilling. Bradley J. Till¹, Joanna Jankowicz-Cieslak¹, László Sági², Owen A. Huynh¹, Hiroe Utsushi³, Rony Swennen^{2,4}, Ryohei Terauchi³, and Chikelu Mba¹. ¹ Plant Breeding Unit, FAO/IAEA Agricultural & Biotechnology Laboratory, International Atomic Energy Agency, P.O. Box 100, Vienna International Centre Wagramer Strasse 5, A-1400 Vienna, Austria ² Laboratory of Tropical Crop Improvement, Katholieke Universiteit Leuven, Kasteelpark Arenberg 13 bus 2455, B-3001 Leuven, Belgium ³ Iwate Biotechnology Research Center, 174-4 22 Chiwari, Narita, Kitakami-shi, Iwate, 024-0003 Japan ⁴ Bioversity International, Honorary Research Fellow, Kasteelpark Arenberg 13 bus 2455, B-3001 Leuven, Belgium Corresponding author: Phone: 0043 (1) 2600-28260, Email: b.till@iaea.org

ITC code ^a	Common name	Genome	PCA number (Figure 2)	Replicate screening?
ITC0020	Ice Cream	ABB	16	+
ITC0061	Musa basjoo	Eumusa		
ITC0081	Igitsiri (Intuntu)	AAA	17	+
ITC0084	Mbwazirume	AAA		+
ITC0101	Fougamou 1	ABB	8	+
ITC0109	Obino l'Ewai	AAB		
ITC0121	Ihitisim	AAB		
ITC0125	Pome	AAB		
ITC0127	Kamaramasenge	ABcv	18	+
IAEA ^b	Grande Naine, gamma irradiated*	AAA	9	+
IAEA ^b	Grande Naine, gamma irradiated	AAA	10	+
IAEA ^b	Grande Naine, gamma irradiated	AAA	11	+
IAEA ^b	Grande Naine, gamma irradiated	AAA	12	+
IAEA ^b	Grande Naine, gamma irradiated	AAA	13	+
IAEA ^b	Grande Naine, gamma irradiated	AAA	14	+
ITC0180	Grande Naine	AAA	15	+
ITC0245	Safet Velchi	ABcv	41	+
ITC0247	Honduras	BBw		+
ITC0249	<i>M. acuminata</i> ssp. <i>burmannicoides</i> Calcutta 4	AAw	4	+
ITC0253	<i>M. acuminata</i> ssp. <i>microcarpa</i> Borneo	AAw	2	+
ITC0254	<i>M. acuminata</i> ssp. <i>banksii</i> Madang	AAw	24	+
ITC0269	Niyarma Yik	AAcv		
ITC0277	Leite	AAA	23	+
ITC0279	Bie Yeng	AAcv		
ITC0281	Akondro Mainty	AAcv		
ITC0283	Long Tavoy	AA		
ITC0312	Pisang Jari Buaya	AAcv	33	+
ITC0332	Laknau	AAB		
ITC0335	Popoulou	AAB	37	+
ITC0339	Pisang Awak	BAB		

ITC0348	Silk	AAB		
ITC0370	Musa ornata	Rhodochlamys		
ITC0393	M. acuminata ssp.truncata	AAw		
ITC0420	Pisang Kayu	AAA	34	+
ITC0463	Cachaco	ABB	3	+
ITC0472	Pelipita	ABB	29	+
ITC0486	Red	AAA		
ITC0504	FHIA-01	AAAB		+
ITC0517	Orishele	AAB		
ITC0539	Musa textilis	TTw (Australimusa)		
ITC0548	Dwarf Parfitt	AAA		
ITC0565	Butuhan	BBw		
ITC0582	Lady Finger	AAB	22	+
ITC0599	M. schizocarpa No. 1	SSw		
ITC0609	M. acuminata ssp. malaccensis Pahang	AAw	28	+
ITC0610	Tuu Gia	AAcv		
ITC0627	Musa laterita	Rhodochlamys		
ITC0649	Foconah	AAB	7	+
ITC0652	Kluai Tiparot	BAB	20	+
ITC0653	Pisang Mas	AAcv	36	+
ITC0654	Petite Naine	AAA	30	+
ITC0659	Namwa Khom	ABB	26	+
ITC0660	M. acuminata ssp. siamea Khae (Phrae)	AAw	19	+
ITC0683	Pisang Glintong	AAA	32	+
ITC0767	Dole	ABB	5	+
ITC0769	Figue Pomme Géante	AAB	6	+
ITC0896	M. acuminata ssp. banksii	AAw		
ITC0962	Prata ana	AAB	38	+
ITC1028	M. acuminata ssp. errans Agutay	AAw	1	+
ITC1034	Kunnan	ABcv	21	+
ITC1063	Pisang Klutuk Wulung	BBw	35	+
ITC1070	Musa beccarii	Callimusa		
ITC1120	M. balbisiana Tani	BBw		+
ITC1123	Yangambi KM5	AAA	43	+
ITC1138	Saba	ABB	40	+
ITC1140	Red Yade	AAB	39	+
ITC1152	Wompa	SACv		
ITC1158	Pisang Rojo Uter	AAcv		
ITC1167	Mai'a maoli koa'e	AAB		
ITC1177	M. acuminata ssp. zebrina	AAw		+
ITC1187	Tomolo	AAcv	42	+
ITC1238	Yawa 2	ABBT	44	+
ITC1254	Paka	AAcv		
ITC1256	Gran Enano	AAA		
ITC1329	Novaria	AAA	27	+
ITC1356	Mbwazirume	AAA	25	

ITC1387	Ensete ventricosum	-		
ITC1400	Pisang Lilin	AAcv		
ITC1404	Bluggoe	ABB		
ITC1441	Pisang Ceylan	AAB	31	+
ITC1481	Gros Michel	AAA		

^a <http://www.crop-diversity.org/banana/#AvailableITCAccessions>

^b From the internal collection of the IAEA laboratories