

Supplementary Material

Supplementary Table S1. ABS and HLB presence (+) or absence (-) after three years of evaluations on mandarin groups and hybrids from the Genebanks of the Instituto Agronômico de Campinas (IAC) (BAG Citros IAC), IAC Breeding Program and the Estação Experimental de Citricultura de Bebedouro (EECB).

Mandarin group	Common Name	ABS fruit	ABS plant	HLB plant
clementine	16MPF21	-	-	+
clementine	2KR Monreal	-	-	+
clementine	Bruno SRA 531	-	-	+
clementine	Clementina x Honey IAC 1388	-	-	+
clementine	Clementina x Mexerica IAC 934	-	-	+
clementine	Clemenules SPA 17	-	-	+
clementine	de Nules VCR	-	-	+
clementine	IAC 1427	-	-	+
clementine	IAC 1436	-	-	+
clementine	IAC 1527	-	-	+
clementine	Marisol	-	-	+
clementine	Marisol I	-	-	+
clementine	Nules IAC 1742	-	-	+
clementine	Oronules	-	-	+
clementine	Oroval	-	-	+
clementine	Tomatera	-	-	+
common	1/28 FCAV [LCD] EECB 43	-	-	+
common	1/43 [LCD] EECB 30	-	+	+
common	À Peau Lisse SRA 267	-	-	+
common	África do Sul IAC 557	+	+	+
common	Batangas IAC 504	-	+	+
common	Batangas IAC 505	-	+	+
common	Beauty of Glen Retreat	-	+	+
common	Burgess	-	+	+
common	Caçula 3 IAC 1330	+	+	+
common	Caçula 4 IAC 1318	+	+	+
common	Cape Nartjee IAC 522	-	+	+
common	Cape Nartjee IAC 523	-	+	+
common	Carvalhais de Vidigueira	+	+	+
common	Carvalhais IAC 546	-	-	+
common	Cravo IAC 182	-	-	+
common	De Wildt IAC 545	+	+	+
common	Encore	-	-	+
common	Fallglo IAC 1427	-	-	+
common	Fewtrll	-	+	+
common	Fortune	+	+	+
common	Fremont 5-1	-	-	+
common	Fremont 5-2	-	-	+
common	Fremont 5-3	-	-	+
common	Fremont 9-1	-	-	+
common	Fremont 9-2	-	-	+
common	Fremont 9-3	-	-	+
common	Fremont IAC 543	-	-	+
common	IAC 1717	-	-	+
common	Imperatriz IAC 565	+	+	+
common	Junqueira IAC 721	-	+	+
common	King x Dancy IAC 1378	+	+	+
common	Kinnow IAC 176	-	+	+
common	Ladu IAC 539	-	-	+
common	Ladu x Szinkon IAC 552	-	-	+
common	Lebom	-	+	+
common	Loose Jacket IAC 515	+	+	+
common	Montevideo IAC 438	+	+	+

common	Muscia IAC 607	+	+	+
common	Oneco IAC 173	+	+	+
common	Ponkan casca verde IAC 1722	-	-	+
common	Ponkan casca verde IAC 722	-	-	+
common	Ponkan Chiaradia IAC 1484	-	+	+
common	Ponkan IAC 172	-	+	+
common	Ponkan IAC 222	-	+	+
common	Ponkan IAC 224	-	+	+
common	Ponkan IAC 225	-	+	+
common	Ponkan IAC 226	-	+	+
common	Ponkan IAC 445	-	+	+
common	Ponkan Nanine	-	+	+
common	Red Skin	+	+	+
common	Rodeking SRA 431	-	-	+
common	Rosehaugh Nartjee IAC 555	-	+	+
common	Span IAC 1423	-	+	+
common	Span IAC 595	-	+	+
common	Sunwikon IAC 576	+	-	+
common	Sunwuikon IAC 562	-	-	+
common	Swatow IAC 171	-	+	+
common	Sylhat IAC 512	+	+	+
common	Szinkon x Ladu IAC 548	-	-	+
common	Szuwinkon IAC 571	-	+	+
common	Szwinkon x Szinkon Tizon IAC 560	+	+	+
common	Tankan IAC 502	-	-	+
common	Tuxpan IAC 170	-	+	+
common	Wallent SRA 438	-	-	+
common	Warnuco IAC 547	-	+	+
common	Wilking IAC 177	-	+	+
common	Yoshida EECB 227	-	-	+
common	Zanzibar SRA 442	-	-	+
common	Szinkon x Tizon IAC 568	-	+	+
satsuma	Hashimoto	-	-	+
satsuma	Miyagawa SRA 444	-	-	+
satsuma	Ovari	-	-	+
satsuma	Wase IAC 213	-	-	+
satsuma	Okitsu	-	-	+
tangelo	Clemenville Alcazar IAC 931	+	+	+
tangelo	Dweet IAC 1721	+	+	+
tangelo	Ellendale CCC-411	-	+	+
tangelo	Lee IAC 441	+	+	+
tangelo	Nova IAC 1853	+	+	+
tangelo	Nova SPA 03	+	+	+
tangelo	Osceola IAC 443	+	+	+
tangelo	Page IAC 1525	+	+	+
tangelo	Robinson IAC 442	-	+	+
tangelo	Ellendale early IAC 1314	-	-	+
tangor	Dekopon	-	+	+
tangor	IAC 2019Maria	-	-	+
tangor	MC x LP 140	-	-	+
tangor	MC x LP 319	-	-	+
tangor	MC x LP 355	-	-	+
tangor	MC x LP 367	-	-	+
tangor	MC x LP 38	-	-	+
tangor	MC x LP 386	-	-	+
tangor	MC x LP 7	-	-	+
tangor	MC x LP 707	-	-	+
tangor	Murcott IAC 221	+	+	+
tangor	Murcott J IAC 1502	+	+	+
tangor	Murcott Precoce IAC 1578	+	+	+
tangor	Olé	+	+	+
tangor	Ortanique Hybrid	+	-	+
tangor	Ortanique IAC 554	-	-	+
tangor	OTA 14	-	-	+
tangor	Satsuma x Natal 3 EECB 12	-	-	+

tangor	TC x LP 24	-	+	+
tangor	TC x LP 48	+	+	+
tangor	Thomas IAC 519	-	-	+
tangor	TM x LP 124	+	+	+
tangor	TM x LP 157	+	+	+
tangor	TM x LP 175	+	+	+
tangor	TM x LP 203i	-	-	+
tangor	TM x LP 217	+	+	+
tangor	TM x LP 222	+	+	+
tangor	TM x LP 246	+	+	+
tangor	TM x LP 253	+	+	+
tangor	TM x LP 258	+	+	+
tangor	TM x LP 321	+	+	+
tangor	TM x LP 33	+	+	+
tangor	TM x LP 353	+	+	+
tangor	TM x LP 358	-	+	+
tangor	TM x LP 370	+	+	+
tangor	TM x LP 61	+	+	+
tangor	TM x LP 87	-	-	+
tangor	TM x LP 265	+	+	+
tangor	TM x LP 264	-	+	+
tangor	TM x LV 15	-	+	+
tangor	TM x TP 02	-	+	+
tangor	TM x TP 03	+	+	+
tangor	TM x TP 04	+	+	+
tangor	TM x TP 05	+	+	+
tangor	TM x TP 07	+	+	+
tangor	TM x TP 08	+	+	+
tangor	TM x TP 09	-	-	+
tangor	TM x TP 11	-	-	+
tangor	TM x TP 12	+	+	+
tangor	TM x TP 13	+	+	+
tangor	W Murcott	+	+	+
willow leaf	Avana Apireno IAC 1739	-	-	+
willow leaf	Avana IAC 594	-	-	+
willow leaf	Córsega IAC 586	-	-	+
willow leaf	Imperial IAC 1331	-	-	+
willow leaf	Ipanema IAC 208	-	-	+
willow leaf	irradiação IAC 1631	-	-	+
willow leaf	Israel IAC 599	-	-	+
willow leaf	Late IAC 585	-	-	+
willow leaf	mexerica x clementina IAC 1545	-	-	+
willow leaf	Mildura IAC 1312	-	-	+
willow leaf	Mogi das Cruzes IAC 606	-	-	+
willow leaf	Montenegrina	-	-	+
willow leaf	Nobilis IAC 199	-	-	+
willow leaf	Paiva IAC 588	-	-	+
willow leaf	Pará IAC 193	-	-	+
willow leaf	Paulista IAC 567	-	-	+
willow leaf	Pernambucana IAC 578	-	-	+
willow leaf	BRS Rainha	-	-	+
willow leaf	Rio IAC 194	-	-	+
willow leaf	Rio IAC 584	-	-	+
willow leaf	Siracusa IAC 590	-	-	+
willow leaf	Tardia da Sicília IAC 589	-	-	+
willow leaf	Tardia IAC 582	-	-	+
willow leaf	Tardia IAC 591	-	-	+
willow leaf	Tardia IAC 592	-	-	+
willow leaf	Victória IAC 580	-	-	+
willow leaf	Willow IAC 196	-	-	+