

TABLE S1 List of maize landraces used in this study

ID ^a	USDA ID	Population	Landrace	Locality	Latitude	Longitude	Elevation	Origin
RIMMA0409	PI 478968	Mesoamerican	Tepecintle	Chiapas, Mexico	15.4	-92.9	107	USDA
RIMMA0410	PI 478970	Lowland	Vandeno	Chiapas, Mexico	15.4	-92.9	107	USDA
RIMMA0433	PI 490825		Nal Tel ATB	Chiquimula, Guatemala	14.7	-89.5	457	USDA
RIMMA0441	PI 515538		Coscomatepec	Veracruz, Mexico	19.2	-97.0	1320	USDA
RIMMA0615	PI 628480		Tuxpeno	Puebla, Mexico	20.1	-97.2	152	USDA
RIMMA0619	PI 645772		Pepitilla	Guerrero, Mexico	18.4	-99.5	747	USDA
RIMMA0628	PI 646017		Tuxpeno Norteno	Tamaulipas, Mexico	23.3	-99.0	300	USDA
RIMMA0696	Ames 28568		Tuxpeno	El Progreso, Guatemala	16.5	-90.2	30	Goodman
RIMMA0700	NSL 291626		Olotillo	Chiapas, Mexico	16.8	-93.2	579	Goodman
RIMMA0701	PI 484808		Olotillo	Chiapas, Mexico	16.6	-92.7	686	Goodman
RIMMA0702	Ames 28534		Negro de Tierra Caliente	Sacatepequez, Guatemala	14.5	-90.8	1052	Goodman
RIMMA0703	NSL 283390		Nal Tel	Yucatan, Mexico	20.8	-88.5	30	Goodman
RIMMA0709	Ames 28452		Tehua	Chiapas, Mexico	16.5	-92.5	747	Goodman
RIMMA0710	PI 478988		Tepecintle	Chiapas, Mexico	15.3	-92.6	91	Goodman
RIMMA0712	NSL 291696 CYMT		Oloton	Baja Verapaz, Guatemala	15.3	-90.3	1220	Goodman
RIMMA0716	Ames 28459		Zapalote Grande	Chiapas, Mexico	15.3	-92.7	91	Goodman
RIMMA0720	PI 489372		Negro de Tierra Caliente	Guatemala	15.5	-88.9	39	Goodman
RIMMA0721	Ames 28485		Nal Tel ATB	Chiquimula, Guatemala	14.6	-90.1	915	Goodman
RIMMA0722	Ames 28564		Dzit Bacal	Jutiapa, Guatemala	14.3	-89.7	737	Goodman
RIMMA0727	Ames 28555		Comiteco	Guatemala	14.4	-90.5	1151	Goodman
RIMMA0729	PI 504090		Tepecintle	Guatemala	15.4	-89.7	122	Goodman
RIMMA0730	Ames 28517		Quicheno Late	Sacatepequez, Guatemala	14.5	-90.8	1067	Goodman
RIMMA0731	PI 484137		Bolita	Oaxaca, Mexico	16.8	-96.7	1520	Goodman
RIMMA0733	PI 479054		Zapalote Chico	Oaxaca, Mexico	16.6	-94.6	107	Goodman
RIMMA0416	PI 484428	Mesoamerican	Cristalino de Chihuahua	Chihuahua, Mexico	29.4	-107.8	2140	NA
RIMMA0417	PI 484431	Highland	Azul	Chihuahua, Mexico	28.6	-107.5	2040	USDA
RIMMA0418	PI 484476		Gordo	Chihuahua, Mexico	28.6	-107.5	2040	USDA
RIMMA0421	PI 484595		Conico	Puebla, Mexico	19.9	-98.0	2250	USDA
RIMMA0422	PI 485071		Elotes Conicos	Puebla, Mexico	19.1	-98.3	2200	USDA
RIMMA0423	PI 485116		Cristalino de Chihuahua	Chihuahua, Mexico	29.2	-108.1	2095	NA
RIMMA0424	PI 485120		Apachito	Chihuahua, Mexico	28.0	-107.6	2400	USDA
RIMMA0425	PI 485128		Palomero Tipo Chihuahua	Chihuahua, Mexico	26.8	-107.1	2130	USDA
RIMMA0614	PI 628445		Mountain Yellow	Jalisco, Mexico	20.0	-103.8	2060	USDA
RIMMA0616	PI 629202		Zamorano Amarillo	Jalisco, Mexico	20.8	-102.8	1800	USDA
RIMMA0620	PI 645786		Celaya	Guanajuato, Mexico	20.2	-100.9	1799	USDA
RIMMA0621	PI 645804		Zamorano Amarillo	Guanajuato, Mexico	21.1	-101.7	1870	USDA
RIMMA0623	PI 645841		Palomero de Jalisco	Jalisco, Mexico	20.0	-103.7	2520	USDA
RIMMA0625	PI 645984		Cacahuacintle	Puebla, Mexico	19.0	-97.4	2600	USDA
RIMMA0626	PI 645993		Arrocillo Amarillo	Puebla, Mexico	19.9	-97.6	2260	USDA
RIMMA0630	PI 646069		Arrocillo Amarillo	Veracruz, Mexico	19.8	-97.3	2220	USDA
RIMMA0670	Ames 28508		San Marceno	San Marcos, Guatemala	15.0	-91.8	2378	Goodman
RIMMA0671	Ames 28538		Salpor Tardio	Solola, Guatemala	14.8	-91.3	2477	Goodman
RIMMA0672	PI 483613		Chalqueno	Mexico, Mexico	19.7	-99.1	2256	Goodman
RIMMA0674	PI 483617		Toluca	Mexico, Mexico	19.3	-99.7	2652	Goodman
RIMMA0677	Ames 28476		Conico Norteno	Zacatecas, Mexico	21.4	-102.9	1951	Goodman
RIMMA0680	Ames 28448		Tabloncillo	Jalisco, Mexico	20.4	-102.2	1890	Goodman
RIMMA0682	PI 484571		Tablilla de Ocho	Jalisco, Mexico	22.1	-103.2	1700	Goodman
RIMMA0687	Ames 28473		Conico Norteno	Queretaro, Mexico	20.4	-100.0	1921	Goodman

^a GBS data are available for the accessions in bold font.

TABLE S1 (continued)

ID	USDA ID	Population	Landrace	Locality	Latitude	Longitude	Elevation (m)	Origin
RIMMA0388	PI 443820	S. American	Amagaceno	Antioquia, Colombia	6.9	-75.3	1500	USDA
RIMMA0389	PI 444005	Lowland	Costeno	Atlantico, Colombia	10.4	-74.9	7	USDA
RIMMA0390	PI 444254		Comun	Caldas, Colombia	4.5	-75.6	353	USDA
RIMMA0391	PI 444296		Andaqui	Caqueta, Colombia	1.4	-75.8	700	USDA
RIMMA0392	PI 444309		Andaqui	Caqueta, Colombia	1.8	-75.6	555	USDA
RIMMA0393	PI 444473		Costeno	Cordoba, Colombia	8.3	-75.2	100	USDA
RIMMA0394	PI 444621		Pira	Cundinamarca, Colombia	4.8	-74.7	1000	USDA
RIMMA0395	PI 444731		Negrito	Choco, Colombia	8.5	-77.3	30	USDA
RIMMA0396	PI 444834		Caqueteno	Huila, Colombia	2.6	-75.3	1100	USDA
RIMMA0397	PI 444897		Negrito	Magdalena, Colombia	11.6	-72.9	50	USDA
RIMMA0398	PI 444923		Puya	Magdalena, Colombia	9.4	-75.7	27	USDA
RIMMA0399	PI 444954		Cariaco	Magdalena, Colombia	10.2	-74.1	250	USDA
RIMMA0403	PI 445163		Pira Naranja	Narino, Colombia	1.3	-77.5	1000	USDA
RIMMA0404	PI 445322		Puya Grande	Norte de Santander, Colombia	7.3	-72.5	1500	USDA
RIMMA0405	PI 445355		Puya	Norte de Santander, Colombia	8.4	-73.3	1100	USDA
RIMMA0406	PI 445514		Yucatan	Tolima, Colombia	5.0	-74.9	450	USDA
RIMMA0407	PI 445528		Pira	Tolima, Colombia	4.2	-74.9	450	USDA
RIMMA0428	PI 485354		Aleman	Huanuco, Peru	-9.3	-76.0	700	NA
RIMMA0462	PI 445073		Amagaceno	Narino, Colombia	1.6	-77.2	1700	USDA
RIMMA0690	PI 444946		Puya	Magdalena, Colombia	8.3	-73.6	250	Goodman
RIMMA0691	PI 445391		Cacao	Santander, Colombia	6.6	-73.1	1098	NA
RIMMA0707	PI 487930		Tuxpeno	Ecuador	-1.1	-80.5	30	Goodman
RIMMA0708	PI 488376		Yunquillano F Andaqui	Ecuador	-3.5	-78.6	1098	Goodman
RIMMA0426	PI 485151	S. American	Rabo de Zorro	Ancash, Peru	-9.1	-77.8	2500	NA
RIMMA0430	PI 485362	Highland	Sarco	Ancash, Peru	-9.2	-77.7	2585	NA
RIMMA0431	PI 485363		Perilla	Huanuco, Peru	-8.7	-77.1	2900	NA
RIMMA0436	PI 514723		Morocho Cajabambino	Amazonas, Peru	-6.2	-77.9	2200	NA
RIMMA0437	PI 514752		Ancashino	Ancash, Peru	-9.3	-77.6	2688	NA
RIMMA0438	PI 514809		Maranon	Ancash, Peru	-8.7	-77.4	2820	NA
RIMMA0439	PI 514969		Maranon	La Libertad, Peru	-8.5	-77.2	2900	NA
RIMMA0464	PI 571438		Chullpi	Huancavelica, Peru	-12.3	-74.7	1800	USDA
RIMMA0465	PI 571457		Huarmaca	Piura, Peru	-5.6	-79.5	2300	USDA
RIMMA0466	PI 571577		Confite Puneno	Apurimac, Peru	-14.3	-72.9	3600	USDA
RIMMA0467	PI 571871		Paro	Apurimac, Peru	-13.6	-72.9	2800	USDA
RIMMA0468	PI 571960		Sarco	Ancash, Peru	-9.4	-77.2	3150	USDA
RIMMA0473	PI 445114		Sabanero	Narino, Colombia	1.1	-77.6	3104	USDA
RIMMA0656	Ames 28799		Culli	Jujuy, Argentina	-23.2	-65.4	2287	Goodman
RIMMA0657	NSL 286594		Chake Sara	Bolivia	-17.5	-65.7	2201	Goodman
RIMMA0658	NSL 286812		Uchuquilla	Bolivia	-21.8	-64.1	1948	Goodman
RIMMA0661	PI 488066		Chillo	Ecuador	-2.9	-78.7	2195	Goodman
RIMMA0662	NSL 287008		Cuzco	Ecuador	0.0	-78.0	2195	Goodman
RIMMA0663	PI 488102		Mischa	Ecuador	0.4	-78.2	2067	Goodman
RIMMA0664	PI 488113		Blanco Blandito	Ecuador	0.4	-78.4	2122	Goodman
RIMMA0665	PI 489324		Racimo de Uva	Ecuador	-0.9	-78.9	2931	Goodman
RIMMA0667	Ames 28737		Patillo	Chuquisaca, Bolivia	-21.8	-64.1	2201	NA
RIMMA0668	Ames 28668		Granada	Puno, Peru	-14.9	-70.6	3925	Goodman

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