

Table S1: Accessions of *Zea mays* ssp. *mexicana* (RIMME) and *Zea mays* ssp. *parviglumis* (RIMPA) sampled. RIHY is a *Z. mays* ssp. *parviglumis* and *Zea mays* ssp. *mays* hybrid.

Accession	USDA ID	Locality	Alleles Sampled	Hopscotch Freq.	No Hopscotch Freq.
RIHY0009	N/A	N/A	2	0.5	0.5
RIMME0006	566673	Durango	2	0	1
RIMME0007	566680	Guanaajuato	2	0	1
RIMME0008	566681	Michoacan	2	0	1
RIMME0009	566682	Distrito Federal	2	0	1
RIMME0011	566685	Mexico	2	0	1
RIMME0014	714151	Breeders line	6	0	1
RIMME0017	699874	Ayotlan	8	0	1
RIMME0021	N/A	El Porvenir	69	0.17	0.83
RIMME0026	N/A	Opopeo	42	0.07	0.93
RIMME0028	N/A	Puruandiro	28	0.04	0.96
RIMME0029	N/A	Ixtlan	35	0	1
RIMME0030	N/A	San Pedro	27	0	1
RIMME0031	N/A	Tenango del Aire	25	0.08	0.92
RIMME0032	N/A	Nabogame	24	0	1
RIMME0033	N/A	Puerta Encantada	25	0	1
RIMME0034	N/A	Santa Clara	23	0	1
RIMME0035	N/A	Xochimilco	25	0	1
RIMPA0001	87168	El Salado	4	0	1
RIMPA0003	87171	Mazatlan	8	0.13	0.87
RIMPA0017	87200	N/A	4	0	1
RIMPA0019	87213	El Salado	2	0.50	0.50
RIMPA0029	87244	N/A	2	0.50	0.50
RIMPA0031	87249	N/A	2	0.5	0.5
RIMPA0035	87288	Jalisco	4	0	1
RIMPA0040	288185	Mexico	4	0	1
RIMPA0042	288187	Guerrero	4	0.25	0.75
RIMPA0043	288188	Guerrero	4	0	1
RIMPA0045	288193	Guerrero	4	0	1
RIMPA0055	714152	Breeders line	2	0	1
RIMPA0056	714153	Breeders line	2	0.50	0.50
RIMPA0057	714154	Breeders line	2	0.50	0.50
RIMPA0058	N/A	N/A	4	0.50	0.50
RIMPA0059	N/A	N/A	4	1	0
RIMPA0060	714157	Breeders line	2	0	1
RIMPA0061	714158	Breeders line	4	0.5	0.5
RIMPA0062	714159	Breeders line	4	0.5	0.5
RIMPA0063	714160	Breeders line	4	0	1
RIMPA0064	714161	Breeders line	3	0	1
RIMPA0065	714162	Breeders line	4	0.25	0.75
RIMPA0068	699861	Jalisco, Mexico	16	0	1
RIMPA0069	699862	Ixtlan	14	0.14	0.86
RIMPA0070	699863	Benito Juarez	16	0	1
RIMPA0071	699864	Tuzantla	28	0	1
RIMPA0072	699865	Tiquicheo	16	0	1
RIMPA0073	699866	Tiquicheo	16	0.12	0.88
RIMPA0074	699867	Huetamo	12	0	1
RIMPA0075	699868	Huetamo	2	0	1
RIMPA0076	699869	Huetamo	4	0	1
RIMPA0077	699870	Caracuaro	2	0	1
RIMPA0078	699871	Caracuaro	2	0.5	0.5
RIMPA0079	699872	Villa Madero	14	0	1
RIMPA0080	699873	Guachinango	12	0	1
RIMPA0081	699875	Ameca	16	0	1
RIMPA0083	699877	Tepoztlan	14	0	1
RIMPA0084	699878	Tepoztlan	16	0	1
RIMPA0085	699879	Miahuatlan	16	0	1
RIMPA0086	699880	Miahuatlan	16	0.06	0.94
RIMPA0087	699881	Tecoanapa	24	0	1
RIMPA0089	699883	Guerrero	12	0	1
RIMPA0090	699884	Guerrero	10	0	1
RIMPA0091	699885	Guerrero	16	0	1
RIMPA0092	699886	Guerrero	10	0	1

Accession	USDA ID	Locality	Alleles Sampled	<i>Hopscotch</i> Freq.	No <i>Hopscotch</i> Freq.
RIMPA0093	699887	Guerrero	26	0.08	0.92
RIMPA0094	699888	Guerrero	2	0	1
RIMPA0095	699889	Guerrero	4	0	1
RIMPA0096	699890	Guerrero	26	0.04	0.96
RIMPA0097	699891	Guerrero	6	0	1
RIMPA0098	699892	Guerrero	4	0	1
RIMPA0099	699893	Guerrero	4	0	1
RIMPA0100	699894	Guerrero	6	0	1
RIMPA0101	699895	Guerrero	2	0	1
RIMPA0103	699897	Guerrero	2	0	1
RIMPA0104	699898	Guerrero	22	0.09	0.91
RIMPA0105	699899	Guerrero	6	0	1
RIMPA0106	699900	Guerrero	6	0.33	0.67
RIMPA0107	699901	Guerrero	4	0	1
RIMPA0108	699902	Guerrero	6	0	1
RIMPA0109	699903	Michoacan	4	0.25	0.75
RIMPA0110	699904	Michoacan	2	0	1
RIMPA0111	699905	Michoacan	4	0	1
RIMPA0112	699906	Michoacan	4	0.25	0.75
RIMPA0114	699908	Michoacan	6	0.17	0.83
RIMPA0116	699910	Mexico	2	0	1
RIMPA0117	699911	Mexico	4	0	1
RIMPA0118	699912	Mexico	6	0.17	0.83
RIMPA0119	699913	Mexico	2	0	1
RIMPA0120	699914	Mexico	1	1	0
RIMPA0121	699915	Mexico	2	0	1
RIMPA0128	699922	Mexico	2	0.5	0.5
RIMPA0129	699923	Michoacan	2	0.5	0.5
RIMPA0135	699929	Nayarit	24	0	1
RIMPA0138	699932	Jalisco	2	0.5	0.5
RIMPA0139	699933	Jalisco	1	1	0
RIMPA0142	699936	Colima	18	0.44	0.56
RIMPA0144	699938	Jalisco	2	1	0
RIMPA0145	699939	Michoacan	1	1	0
RIMPA0147	699941	Jalisco	1	1	0
RIMPA0155	N/A	Jalisco	73	0.01	0.99
RIMPA0156	N/A	Jalisco	20	0	1
RIMPA0157	N/A	Jalisco	58	0.34	0.66
RIMPA0158	N/A	Jalisco	64	0.53	0.47
RIMPA0159	N/A	Jalisco	26	0	1
RIMPA0162	21785	N/A	4	0	1