

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	Population	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	Guanajuato	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	Population	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

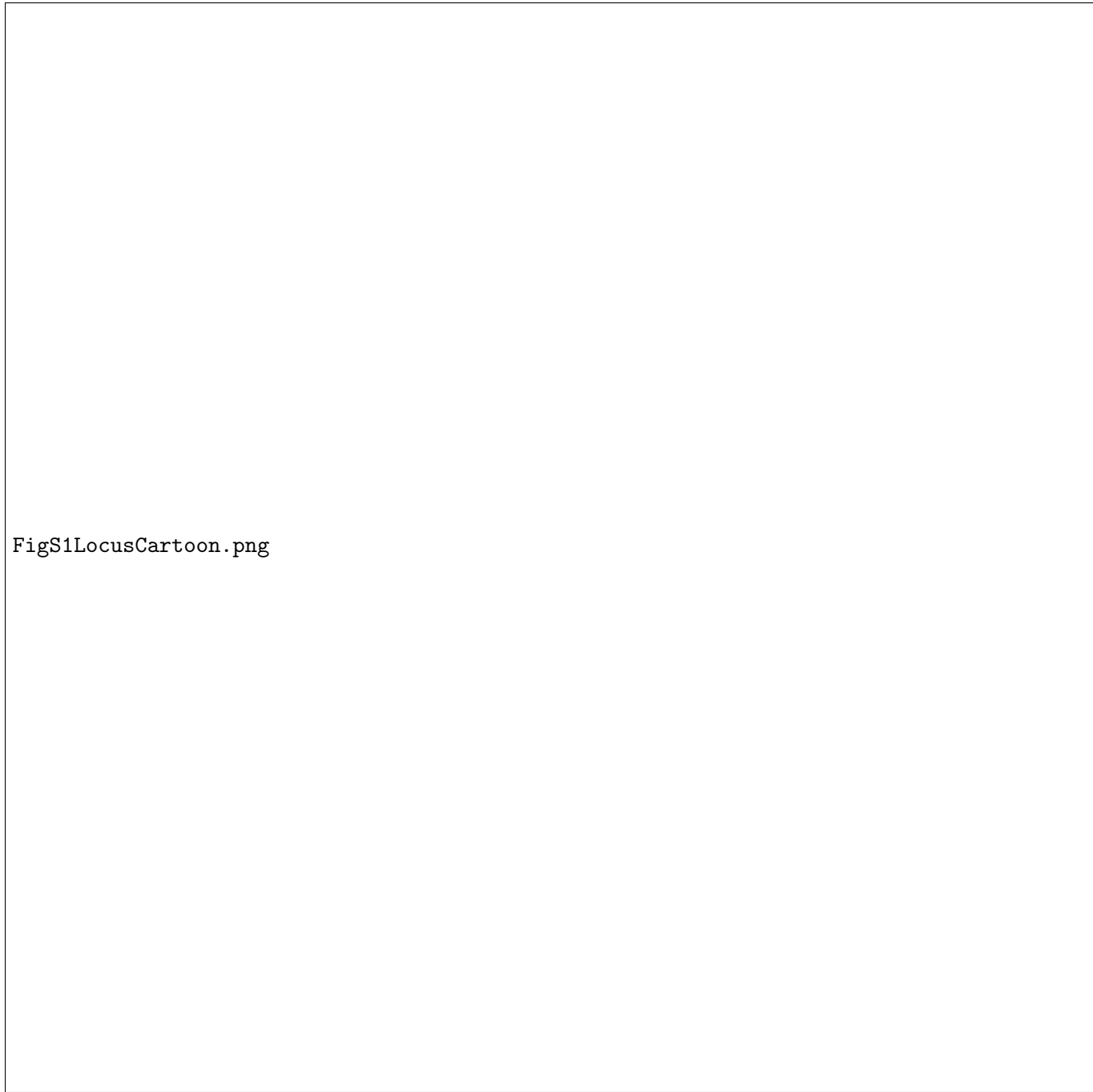
Table S2: *Hopscotch* frequency in sampled *Zea mays* ssp. *mays* (RIMMA).

Accession	Alleles Sampled	<i>Hopscotch</i> Freq.
RIMMA0066	2	1
RIMMA0075	2	1
RIMMA0077	2	1
RIMMA0079	2	1
RIMMA0081	2	1
RIMMA0084	2	1
RIMMA0086	2	1
RIMMA0088	2	1
RIMMA0089	2	1
RIMMA0090	2	1
RIMMA0092	4	1
RIMMA0094	4	1
RIMMA0097	2	1
RIMMA0099	2	1
RIMMA0100	2	1
RIMMA0101	2	1
RIMMA0104	2	1
RIMMA0108	2	1
RIMMA0111	6	1
RIMMA0115	2	1
RIMMA0117	2	1
RIMMA0130	2	1
RIMMA0133	2	1
RIMMA0134	2	1
RIMMA0135	2	1
RIMMA0142	2	0.5
RIMMA0143	4	1
RIMMA0146	4	1
RIMMA0149	2	1
RIMMA0152	2	1
RIMMA0153	2	1
RIMMA0154	2	1
RIMMA0155	2	1
RIMMA0156	2	1
RIMMA0157	2	1
RIMMA0158	2	1
RIMMA0159	2	1
RIMMA0160	2	1
RIMMA0162	2	1
RIMMA0166	2	1
RIMMA0167	2	1
RIMMA0168	2	1
RIMMA0169	2	1
RIMMA0172	2	1
RIMMA0174	4	1
RIMMA0177	2	1
RIMMA0178	2	1
RIMMA0179	2	1
RIMMA0181	2	1
RIMMA0183	2	1
RIMMA0184	2	1
RIMMA0186	2	1
RIMMA0187	1	1
RIMMA0188	2	1
RIMMA0195	2	1
RIMMA0196	2	1
RIMMA0197	2	1
RIMMA0198	2	1
RIMMA0199	2	1
RIMMA0200	2	1
RIMMA0202	2	1
RIMMA0203	2	1
RIMMA0206	2	1
RIMMA0208	2	1
RIMMA0209	2	1

Accession	Alleles Sampled	Hopscotch Freq.
RIMMA0210	2	1
RIMMA0212	2	1
RIMMA0213	2	1
RIMMA0214	2	1
RIMMA0217	2	1
RIMMA0218	2	1
RIMMA0220	2	1
RIMMA0221	2	1
RIMMA0222	2	1
RIMMA0223	2	1
RIMMA0226	2	1
RIMMA0227	2	1
RIMMA0228	2	1
RIMMA0229	2	1
RIMMA0230	2	1
RIMMA0232	2	1
RIMMA0233	2	1
RIMMA0235	2	0.5
RIMMA0242	2	1
RIMMA0243	2	1
RIMMA0247	4	1
RIMMA0248	2	1
RIMMA0249	2	1
RIMMA0252	2	1
RIMMA0253	2	1
RIMMA0254	2	1
RIMMA0256	2	1
RIMMA0257	2	1
RIMMA0258	2	1
RIMMA0259	2	1
RIMMA0260	2	1
RIMMA0262	2	1
RIMMA0263	2	1
RIMMA0264	2	1
RIMMA0265	2	1
RIMMA0268	2	1
RIMMA0269	2	1
RIMMA0270	2	1
RIMMA0272	2	1
RIMMA0275	2	1
RIMMA0276	2	1
RIMMA0277	2	1
RIMMA0279	2	1
RIMMA0280	2	1
RIMMA0283	2	1
RIMMA0285	2	1
RIMMA0288	2	1
RIMMA0290	2	1
RIMMA0291	2	1
RIMMA0292	2	1
RIMMA0293	2	1
RIMMA0298	2	1
RIMMA0302	2	1
RIMMA0305	2	1
RIMMA0310	2	1
RIMMA0312	2	1
RIMMA0320	2	1
RIMMA0322	2	1
RIMMA0324	2	1
RIMMA0334	2	1
RIMMA0336	2	1
RIMMA0337	2	1
RIMMA0338	2	1
RIMMA0339	2	1
RIMMA0340	2	1
RIMMA0341	2	1
RIMMA0342	2	1

Accession	Alleles Sampled	Hopscotch Freq.
RIMMA0344	2	1
RIMMA0346	2	1
RIMMA0347	2	1
RIMMA0350	2	1
RIMMA0351	2	1
RIMMA0352	2	1
RIMMA0357	2	1
RIMMA0360	18	1
RIMMA0362	8	1
RIMMA0363	16	1
RIMMA0370	17	1
RIMMA0372	24	1
RIMMA0373	22	1
RIMMA0408	2	1
RIMMA0411	1	1
RIMMA0413	1	1
RIMMA0414	1	1
RIMMA0424	8	0.9
RIMMA0432	1	1
RIMMA0434	2	0.5
RIMMA0435	1	1
RIMMA0442	2	1
RIMMA0443	2	1
RIMMA0444	2	1
RIMMA0445	2	1
RIMMA0446	2	1
RIMMA0447	2	1
RIMMA0448	2	1
RIMMA0449	2	1
RIMMA0450	2	1
RIMMA0451	2	1
RIMMA0452	2	1
RIMMA0453	2	1
RIMMA0454	2	1
RIMMA0455	2	1
RIMMA0456	2	1
RIMMA0457	2	1
RIMMA0458	2	1
RIMMA0459	2	1
RIMMA0483	2	1
RIMMA0490	2	1
RIMMA0515	2	1
RIMMA0537	2	1
RIMMA0550	2	1
RIMMA0553	2	1
RIMMA0559	2	1
RIMMA0561	2	1
RIMMA0562	2	1
RIMMA0571	2	1
RIMMA0572	2	1
RIMMA0577	2	1
RIMMA0579	2	1
RIMMA0590	2	1
RIMMA0591	2	1
RIMMA0592	2	1
RIMMA0593	2	1
RIMMA0594	2	1
RIMMA0595	2	1
RIMMA0596	2	1
RIMMA0597	2	1
RIMMA0598	2	1
RIMMA0599	2	1
RIMMA0600	2	1
RIMMA0601	2	1
RIMMA0602	2	1
RIMMA0603	2	1
RIMMA0604	2	1

Accession	Alleles Sampled	Hopscotch Freq.
RIMMA0605	2	1
RIMMA0606	2	1
RIMMA0607	2	1
RIMMA0608	2	1
RIMMA0609	2	1
RIMMA0610	2	1
RIMMA0611	2	1
RIMMA0612	2	1
RIMMA0613	2	1
RIMMA0622	2	0.5
RIMMA0624	1	1
RIMMA0629	2	0.5
RIMMA0631	2	0.5
RIMMA0659	2	1
RIMMA0660	2	1
RIMMA0678	1	1
RIMMA0681	2	1
RIMMA0683	2	1
RIMMA0684	2	1
RIMMA0685	4	1
RIMMA0693	2	1
RIMMA0694	2	1
RIMMA0695	1	1
RIMMA0699	2	1
RIMMA0704	2	1
RIMMA0706	2	1
RIMMA0711	1	1
RIMMA0713	2	1
RIMMA0715	2	1
RIMMA0717	2	1
RIMMA0718	2	1
RIMMA0723	2	1
RIMMA0724	2	1
RIMMA0725	1	1
RIMMA0728	1	1
RIMMA0732	2	1
RIMMA0734	2	1
RIMMA0738	2	1
RIMMA0739	2	1
RIMMA0744	2	1
RIMMA0747	1	1
RIMMA0748	2	1
RIMMA0749	2	1
RIMMA0750	2	0.5
RIMMA0751	1	1
RIMMA0752	1	1
RIMMA0753	2	1
RIMMA0755	2	1



FigS1LocusCartoon.png

Figure S1: Representation of the upstream regulatory region of *tb1*, showing the *tb1* coding region (green) and the *Hopscotch* insertion (red). Arrows show the location of primer sets; in black, primers used for amplification and sequencing (Region 1; within the 5' UTR, and Region 2; 66,169 bp upstream from the *tb1* ORF); in blue, primers used to genotype the *Hopscotch* insertion.

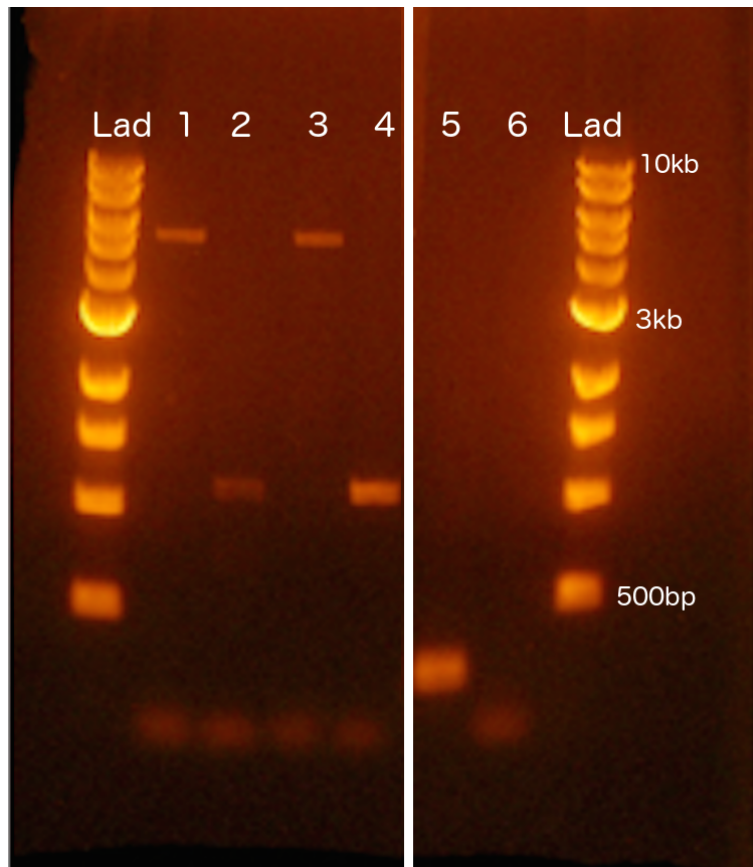


Figure S2: Agarose gel image of amplification products for genotyping of the *Hopscotch* element. Lanes 1 (HopF/HopR; 5kb band) and 2 (HopF/HopIntR; 1.1kb) are the products for one individual that is homozygous for the element; 3 (HopF/HopR; 5kb band) 4 (HopF/HopIntR; 1.1kb) are also the products of an individual that is homozygous for the element; and 5 (HopF/HopR; 300bp) 6 (HopF/HopIntR; N/A) are the products of an individual that is homozygous for the teosinte (lacking the *Hopscotch*) allele.





Figure S3: Neighbor-joining tree of the sequenced region in the 5' UTR (right; Region 1) and the 66,169 bp upstream region (left; Region 2) of *tb1*. Individuals with genotype data are colored: Homozygous for the teosinte (no *Hopscotch*) allele (red), homozygous for the maize (*Hopscotch*) allele (blue), heterozygotes (purple). TILs (teosinte inbred lines) are colored in green, with stars indicating the 3 TILs known to have the *Hopscotch* insertion. Black indicates individuals not genotyped for the *Hopscotch* insertion. EjuA refers to individuals from population Ejutla A, EjuB from Ejutla B, SLO from San Lorenzo, and MSA from La Mesa. Remaining individuals are lines of maize (*Zea mays* ssp. *mays*).