

Table 1S. Results of initial primer screening in twelve populations of *Setaria italica*. Parameters shown for each pair of primer are the number of the samples for each population (N), number of alleles for each population (N_a) and observed heterozygosity (H_o).

Locus	Hsinchu						Nantou						Taitung						Pingtung						Orchid Island					
	$P_1(N = 20)$		$P_2(N = 22)$		$P_3(N = 18)$		$P_4(N = 25)$		$P_5(N = 17)$		$P_6(N = 16)$		$P_7(N = 20)$		$P_8(N = 21)$		$P_9(N = 17)$		$P_{10}(N = 16)$		$P_{11}(N = 23)$		$P_{12}(N = 18)$		N_a	H_o	N_a	H_o	N_a	H_o
	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o								
SITM02	2	0.8	2	0.591	2	0.778	2	0.76	2	0.706	2	0.625	2	0.9	2	0.952	2	0.588	1	0.438	2	0.609	1	0.667						
SITM04	1	0.75	1	0.636	1	0.944	1	0.88	2	0.882	2	0.938	2	0.95	2	0.952	2	0.882	1	0.875	1	0.957	1	0.944						
SITM05	2	0.9	1	0.864	3	0.944	4	0.84	2	1	2	0.938	1	0.95	1	1	3	0.765	2	1	1	0.652	3	0.778						
SITM06	1	0.8	1	0.955	1	0.944	1	0.96	1	0.706	1	0.938	1	0.6	1	0.81	2	0.765	1	0.75	2	0.478	2	0.722						
SITM07	1	0.7	3	0.773	1	0.778	2	0.92	2	0.824	1	0.688	2	0.5	2	0.905	1	0.765	3	0.938	3	0.478	1	0.444						
SITM09	2	0.45	3	0.909	2	0.5	2	0.84	1	0.529	2	0.875	2	0.9	1	0.857	2	0.882	1	0.813	2	0.913	2	0.611						
SITM10	1	0.55	1	0.773	1	0.889	1	0.96	2	0.882	1	0.688	2	0.65	1	1	1	1	3	0.75	3	0.348	1	0.444						
SITM11	2	0.35	2	0.545	2	0.722	1	0.96	1	0.647	2	0.688	1	0.9	3	1	1	0.941	2	0.75	1	0.739	1	0.389						
SITM14	2	0.85	3	0.591	2	0.833	2	0.88	2	0.529	2	0.813	2	0.75	1	0.952	2	0.882	2	0.688	1	0.739	3	0.889						
SITM15	1	0.6	1	0.909	2	1	2	0.64	1	0.882	1	0.813	1	0.65	1	0.857	1	1	2	0.875	1	0.783	2	0.444						
SITM17	3	0.75	3	0.545	2	0.889	3	0.96	4	0.824	2	0.625	4	0.55	3	1	1	0.882	2	0.813	2	0.783	4	0.889						
SITM18	1	0.25	1	0.773	1	0.611	1	0.88	1	0.882	1	0.688	1	0.7	1	0.857	1	0.941	2	0.688	1	0.739	1	0.444						
SITM19	1	0.65	1	0.591	2	0.444	1	0.72	4	0.882	2	0.938	1	0.85	2	1	2	0.941	2	0.75	1	0.913	1	0.722						
SITM20	1	1	2	0.818	1	1	1	0.84	1	0.588	1	0.938	1	0.95	1	1	2	0.941	1	0.938	1	0.913	2	0.556						
SITM22	3	1	1	0.909	3	0.778	3	0.72	3	0.529	3	0.688	3	0.9	2	0.857	2	0.882	1	0.813	1	0.652	1	0.389						
SITM23	2	0.35	2	0.591	3	0.722	2	0.8	2	0.647	2	0.938	2	0.55	2	0.857	2	1	3	0.938	2	0.87	2	0.444						
SITM24	1	0.7	1	0.5	2	0.833	2	0.64	1	0.706	1	0.875	1	0.75	1	1	1	0.882	2	0.75	2	0.913	2	0.833						
SITM25	2	0.45	2	0.455	2	0.444	2	0.72	2	0.647	1	0.875	2	0.85	2	1	2	1	1	0.938	1	0.652	3	0.389						
SITM26	1	0.75	1	0.773	1	0.833	1	0.84	2	0.529	2	0.75	2	0.8	2	0.952	1	0.824	2	0.875	2	0.739	2	0.556						
SITM27	2	0.85	1	0.955	1	0.944	2	0.76	1	0.765	1	0.813	1	0.95	2	0.952	2	0.824	1	0.813	1	0.826	1	0.611						
SITM28	2	0.3	2	0.5	2	0.889	2	0.92	2	0.529	1	0.875	1	0.8	1	0.905	1	0.824	1	0.875	1	0.913	2	0.667						
SITM30	1	0.7	1	1	1	0.611	1	0.72	1	0.824	1	0.938	1	0.75	1	0.857	1	1	1	0.75	1	0.826	1	0.556						
SITM32	1	0.9	1	0.591	1	1	1	0.76	3	0.706	1	0.75	1	0.9	1	0.952	2	1	1	0.688	1	0.652	3	0.5						
SITM33	2	0.25	2	1	1	0.778	2	0.6	2	0.941	1	0.688	2	0.7	2	0.905	2	0.941	2	0.875	2	0.826	2	0.611						

Table 1S. *Cont.*

Locus	Hsinchu				Nantou				Taitung				Pingtung				Orchid Island							
	$P_1(N = 20)$		$P_2(N = 22)$		$P_3(N = 18)$		$P_4(N = 25)$		$P_5(N = 17)$		$P_6(N = 16)$		$P_7(N = 20)$		$P_8(N = 21)$		$P_9(N = 17)$		$P_{10}(N = 16)$		$P_{11}(N = 23)$		$P_{12}(N = 18)$	
	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o	N_a	H_o
SITM34	3	0.7	3	0.545	3	0.778	3	0.92	3	0.824	2	0.813	3	0.85	3	0.952	3	0.824	3	0.688	3	0.696	3	0.778
SITM37	1	0.65	2	0.955	2	1	1	0.76	1	0.882	1	0.938	1	0.6	2	0.952	1	0.941	2	0.938	2	0.87	1	0.833
SITM38	1	0.95	1	0.545	1	1	2	0.92	1	0.588	2	0.688	2	0.95	2	1	2	1	2	0.813	3	0.652	1	0.833
SITM40	1	0.25	1	1	2	0.778	1	0.88	1	0.647	1	0.75	2	0.85	1	0.952	1	0.824	1	0.688	2	0.696	1	0.722
SITM41	1	0.75	1	0.955	2	0.944	1	0.72	2	0.882	1	0.813	2	0.95	1	0.952	1	0.882	1	0.688	1	0.739	1	0.833
SITM42	1	0.9	2	0.591	1	0.5	1	0.76	1	0.824	1	0.625	1	0.55	2	0.952	2	0.941	2	0.875	2	0.87	1	0.889
SITM44	2	1	1	0.955	2	0.5	2	0.76	2	0.588	1	0.875	1	0.8	1	0.857	2	1	1	0.688	1	0.826	2	0.444
SITM46	1	0.65	1	0.591	1	0.5	1	0.76	2	0.824	1	0.688	1	0.75	1	0.857	2	0.882	1	0.688	1	0.652	2	0.833
SITM49	1	0.4	1	0.909	1	1	1	0.68	1	0.706	1	0.875	1	0.9	1	1	2	1	1	0.938	1	0.652	1	0.556
SITM51	1	1	1	0.909	1	0.889	1	0.88	1	0.706	1	0.875	1	0.9	1	1	1	0.882	1	0.875	2	0.696	2	0.889
SITM53	1	0.45	3	0.545	1	0.667	3	0.6	1	0.588	1	0.75	1	0.6	2	0.952	2	0.882	2	0.813	2	0.783	2	0.444
SITM55	2	0.45	2	0.5	1	0.556	1	0.72	1	0.706	1	0.688	2	0.95	2	0.905	2	0.882	2	0.938	2	0.696	2	0.5
SITM57	3	0.55	3	0.455	2	0.667	3	0.64	3	0.765	1	0.75	4	0.55	3	0.952	4	1	2	0.688	2	0.739	1	0.444
SITM59	2	0.6	3	0.545	3	0.944	3	0.84	3	0.588	4	0.563	2	0.95	1	0.952	1	0.882	3	0.688	1	0.826	1	0.5
SITM62	1	0.45	1	0.818	1	0.444	1	0.88	1	0.882	1	0.938	1	0.65	1	0.952	1	0.824	2	0.875	1	0.652	1	0.556
SITM65	1	0.6	1	0.909	1	0.5	1	0.8	1	0.882	1	0.625	1	0.6	2	1	1	0.941	1	0.688	2	0.913	1	0.5
SITM68	2	0.95	2	0.545	2	0.889	2	0.88	2	0.824	2	0.688	2	0.55	3	0.857	2	1	2	0.813	3	0.696	2	0.389
SITM73	2	0.4	1	0.545	2	0.833	2	0.88	1	0.765	2	0.75	2	0.7	3	0.905	3	1	1	0.75	3	0.739	2	0.5
SITM84	1	0.8	3	0.545	1	0.778	2	0.96	1	0.706	1	0.75	2	0.8	1	0.952	2	0.941	2	0.813	1	0.87	1	0.889
SITM86	2	0.25	3	0.682	3	0.556	3	0.6	3	0.882	3	0.563	3	0.9	1	1	1	0.941	3	0.813	2	0.652	1	0.444
SITM91	1	0.45	2	1	1	0.833	1	0.8	2	0.706	1	0.813	1	0.65	1	0.857	1	0.824	1	0.688	1	0.652	2	0.389