

Appendix B Description of the 104 SSR markers used for molecular characterization of 110 *Gossypium hirsutum* accessions

SSR marker	Chromosome	Genetic location (cM)	Total number of alleles	Polymorphic alleles	Polymorphism rate	PIC
DPL0113	8	58.7	8	7	0.88	0.77
DPL0135	20	82.1	3	2	0.67	0.49
DPL0234	16	44.1	9	9	1.00	0.75
DPL0389	22	22.6	6	5	0.83	0.65
DPL0511	16	108.1	11	10	0.91	0.75
DPL0519	25	47.1	6	5	0.83	0.82
DPL0528	11	125.1	13	12	0.92	0.87
DPL0573	4	33.5	4	3	0.75	0.74
DPL0675	11	91.4	13	12	0.92	0.79
DPL0810	5	186.2	13	13	1.00	0.77
DPL0847	6	99.7	4	4	1.00	0.63
GH536	20	117.3	6	6	1.00	0.60
GH629	26	61.6	11	10	0.91	0.83
HAU042	5	218.7	12	11	0.92	0.79
HAU077	15	11.4	10	9	0.90	0.74
HAU091	6	71.1	5	4	0.80	0.74
HAU0306	2	99.7	9	8	0.89	0.79
HAU0432	19	108.1	8	7	0.88	0.85
HAU0618	21	101.1	7	6	0.86	0.79
HAU0693	18	37.9	8	7	0.88	0.78
HAU0877	2	176.0	10	9	0.90	0.58
HAU1022	3	112.5	3	2	0.67	0.67
HAU1029	17	76.7	7	6	0.86	0.78
HAU1030	5	71.7	11	10	0.91	0.84
HAU1036	18	71.4	9	8	0.89	0.79
HAU1143	6	64.7	7	6	0.86	0.78
HAU1171	9	10.3	13	13	1.00	0.85
HAU1185	19	136.0	6	5	0.83	0.72
MON_CGR5117	19	146.0	7	6	0.86	0.66
MON_CGR5172	8	3.6	5	4	0.80	0.57
MON_CGR5196	11	87.3	14	13	0.93	0.82
MON_CGR5230	24	57.3	9	8	0.89	0.86
MON_CGR5242	13	80.9	6	6	1.00	0.72
MON_CGR5300	17	17.0	10	9	0.90	0.84
MON_CGR5311	8	46.3	8	7	0.88	0.55
MON_CGR5326	1	35.0	10	10	1.00	0.75
MON_CGR5396	7	110.0	9	8	0.89	0.78
MON_CGR5412	21	100.0	6	5	0.83	0.74

MON_CGR5416	10	50.0	8	7	0.88	0.71
MON_CGR5503	24	52.9	9	8	0.89	0.79
MON_CGR5548	20	24.7	12	11	0.92	0.81
MON_CGR5550	14	90.7	9	8	0.89	0.77
MON_CGR5571	2	74.6	7	6	0.86	0.80
MON_CGR5609	12	125.6	6	5	0.83	0.78
MON_CGR5624	10	78.4	4	3	0.75	0.67
MON_CGR5653	24	107.8	7	6	0.86	0.74
MON_CGR5667	22	144.1	8	7	0.88	0.76
MON_CGR5670	13	155.8	8	7	0.88	0.79
MON_CGR5678	26	116.3	12	11	0.92	0.74
MON_CGR5695	24	46.9	7	6	0.86	0.83
MON_CGR5732	5	85.9	6	5	0.83	0.81
MON_CGR5755	9	78.7	3	2	0.67	0.49
MON_CGR5759	8	91.6	3	3	1.00	0.36
MON_CGR6081	17	136.0	9	8	0.89	0.78
MON_CGR6129	15	147.6	6	5	0.83	0.80
MON_CGR6170	9	24.1	12	11	0.92	0.75
MON_CGR6409	22	8.6	7	6	0.86	0.76
MON_CGR6252	23	96.8	9	9	1.00	0.66
MON_CGR6430	23	115.1	5	5	1.00	0.40
MON_CGR6572	23	174.3	7	6	0.86	0.14
MUCS127	3	23.1	8	7	0.88	0.72
MUCS135	18	70.7	6	6	1.00	0.67
MUCS230	2	72.4	7	6	0.86	0.58
MUCS235	1	142.6	7	6	0.86	0.80
MUCS405	18	71.2	7	7	1.00	0.77
MUCS407	14	99.7	11	11	1.00	0.73
MUCS410	15	12.4	8	7	0.88	0.75
NAU1066	10	121.2	4	3	0.75	0.62
NAU1070	14	12.8	9	8	0.89	0.80
NAU1158	4	71.5	8	7	0.88	0.68
NAU1159	14	34.5	8	8	1.00	0.64
NAU1225	13	59.8	6	5	0.83	0.75
NAU1272	25	58.3	7	6	0.86	0.61
NAU1369	25	169.1	7	6	0.86	0.82
NAU2579	20	82.9	3	3	1.00	0.29
NAU2606	1	79.1	8	7	0.88	0.79
NAU2654	4	73.7	7	6	0.86	0.52
NAU2679	25	46.4	9	9	1.00	0.70
NAU2692	22	82.1	5	5	1.00	0.80
NAU2715	12	56.6	7	6	0.86	0.81
NAU2733	16	35.5	4	3	0.75	0.52

NAU2734	16	102.7	6	5	0.83	0.72
NAU2742	17	30.5	6	5	0.83	0.77
NAU2769	7	148.3	5	4	0.80	0.64
NAU2826	21	121.3	4	4	1.00	0.55
NAU2855	15	4.6	6	6	1.00	0.73
NAU2950	21	34.8	7	6	0.86	0.74
NAU2995	7	74.1	11	10	0.91	0.81
NAU3013	10	46.7	11	11	1.00	0.75
NAU3016	3	111.0	7	6	0.86	0.71
NAU3017	13	67.6	8	8	1.00	0.80
NAU3083	3	121.9	4	3	0.75	0.14
NAU3093	4	85.7	10	9	0.90	0.77
NAU3100	9	3.2	8	7	0.88	0.83
NAU4045	1	24.8	11	11	1.00	0.88
NAU4079	23	53.6	4	4	1.00	0.70
NAU4086	11	163.1	7	6	0.86	0.72
NAU4089	12	82.1	11	10	0.91	0.81
NAU4884	19	186.3	4	4	1.00	0.47
NAU4912	26	83.0	7	6	0.86	0.83
NAU4924	7	145.5	7	6	0.86	0.80
NAU4925	26	64.2	7	6	0.86	0.70
NAU4942	12	39.1	9	8	0.89	0.83
NAU4946	6	106.4	9	8	0.89	0.61
Min			3	2	0.67	0.14
Max			14	13	1.00	0.88
Mean			7.64	6.88	0.89	0.71

The chromosome number and genetic location of the SSR makers were taken from Chen *et al.* (2015) and <https://www.cottongen.org/find/markers>.