

Table 1 SSR markers at each 3 Mb bin used in the experiment

Chr.	3 Mb bin	SSR marker	Position (Mb)	Chr.	3 Mb bin	SSR marker	Position (Mb)
1	0-3	RM495	0.21	6	9-12	RM257	9.86
1	3-6	RM1	4.63	6	9-12	RM564	11.77
1	6-9	RM295	7.44	6	12-15	RM3183	12.45
1	6-9	RM243	7.97	6	15-18	RM2229	15.58
1	9-12	RM581	9.10	6	18-21	RM20136	19.21
1	12-15	RM493	12.26	6	21-24	RM6036	21.55
1	12-15	RM312	14.89	6	24-27	RM162	24.04
1	15-18	RM595	15.31	6	27-30	RM30	27.25
1	18-21	RM24	19.30	6	30-31.2	RM461	30.11
1	21-24	RM446	21.47	7	0-3	RM192*	0.26
1	24-27	RM5	24.30	7	3-6	RM1243	3.55
1	27-30	RM443	28.67	7	3-6	RM180	5.73
1	30-33	RM128	31.07	7	6-9	RM6776*	6.84
1	33-36	RM265	35.52	7	9-12	RM5436	9.07
1	36-39	RM5389	36.06	7	12-15	RM542	12.71
1	39-42	RM104	40.49	7	15-18	RM445	17.46
1	42-43.3	RM8136	43.25	7	18-21	RM11	19.26
2	0-3	RM485**	0.93	7	21-24	RM21791	21.82
2	3-6	RM1347	5.31	7	21-24	RM6152	22.13
2	6-9	RM174	7.01	7	21-24	RM455	22.35
2	9-12	RM452	9.56	7	24-27	RM3589	25.11
2	12-15	RM301*	12.22	7	27-29.7	RM248	29.34
2	15-18	RM6374	15.18	8	0-3	RM407	0.52
2	18-21	RM1379	20.05	8	3-6	RM544	5.10
2	21-24	RM13500	22.25	8	3-6	RM547	5.59
2	24-27	RM263	25.87	8	3-6	RM22554	5.59
2	27-30	RM573	27.94	8	6-9	RM3644	6.20
2	27-30	RM6	29.58	8	9-12	RM7267	10.18
2	30-33	RM530	30.53	8	12-15	RM331	12.29
2	30-33	RM112	32.01	8	12-15	RM3383	13.35
2	33-36	RM208	35.14	8	15-18	RM7027	15.71
3	0-3	RM523	1.30	8	18-21	RM223	20.52
3	3-6	RM489	4.31	8	21-24	RM284	21.01
3	6-9	RM546	6.14	8	24-27	RM502	26.36
3	9-12	RM563	11.05	8	27-28.3	RM477	27.95
3	12-15	RM282	12.39	9	0-3	RM23654	0.15
3	12-15	RM338	13.20	9	3-6	RM219	3.00
3	15-18	RM2848**	15.99	9	6-9	RM23857*	6.05
3	18-21	RM15254	18.11	9	6-9	RM464	6.58
3	18-21	RM6392*	20.41	9	9-12	RM5777	10.13
3	21-24	RM411	21.39	9	12-15	RM105	12.50

Continuing table 1

Chr.	3 Mb bin	SSR marker	Position (Mb)	Chr.	3 Mb bin	SSR marker	Position (Mb)
3	24-27	RM3601	25.91	9	12-15	RM524	12.92
3	27-30	RM135	27.37	9	12-15	RM566	14.70
3	30-33	RM520	30.87	9	15-18	RM434	15.66
3	30-33	RM468	32.62	9	18-21	RM288	18.56
3	33-36	RM514	35.23	9	18-21	RM107	20.07
3	36-36.4	RM16250	36.32	9	21-22.9	RM215	21.19
4	0-3	RM335	0.68	10	0-3	RM7492	0.04
4	3-6	RM3658	5.59	10	0-3	RM474	1.80
4	6-9	RM261	6.56	10	3-6	RM216	5.10
4	9-12	RM16575	10.01	10	6-9	RM25121	6.19
4	12-15	RM5775	12.42	10	6-9	RM7417*	6.71
4	12-15	RM307	12.98	10	12-15	RM6142	12.54
4	15-18	RM7181	15.37	10	15-18	RM184	16.10
4	18-21	RM142	20.50	10	18-21	RM25639	18.40
4	21-24	RM119	21.23	10	21-22.9	RM228	21.98
4	24-27	RM241	26.82	11	0-3	RM181	0.20
4	27-30	RM17305	27.07	11	3-6	RM552	4.84
4	27-30	RM470	28.06	11	6-9	RM441	6.08
4	30-33	RM3217	30.08	11	9-12	RM1206	9.75
4	30-33	RM349	32.47	11	12-15	RM26547	12.03
4	33-35.2	RM124	34.71	11	15-18	RM287	16.73
5	0-3	RM507	0.08	11	18-21	RM26801	18.08
5	3-6	RM405	3.05	11	21-24	RM206	21.98
5	3-6	RM194*	5.31	11	24-27	RM27191	25.40
5	6-9	RM169	7.48	11	27-28.5	RM144	28.25
5	9-12	RM249	10.76	12	0-3	RM20	0.97
5	12-15	RM18286*	12.42	12	0-3	RM558*	1.56
5	15-18	RM509	16.30	12	3-6	RM247	3.19
5	18-21	RM440	19.89	12	3-6	RM512*	5.10
5	18-21	RM305	20.92	12	6-9	RM27746*	6.14
5	21-24	RM188*	22.65	12	6-9	RM101	8.83
5	24-27	RM178	25.08	12	12-15	RM27965	12.09
5	27-29.9	RM26	27.32	12	18-21	RM277	18.29
6	0-3	RM435	0.54	12	21-24	RM1986	21.21
6	3-6	RM111	5.10	12	21-24	RM309	21.45
6	6-9	RM276	6.23	12	24-27.5	RM5715*	25.00
6	6-9	RM19621	6.24	12	24-27.5	RM239	26.11

Note: * Markers produced blur bands; ** Markers produced monomorphic bands