

**Table S5 MPWGAIM analysis of flowering time for the Yanco Site**

Chromosome	Left dist (cM)	Right dist (cM)	Founder	Size	Founder Prob	Founder LOGP	Prob	% var	LOGP
2A	26.48	26.98	Yitpi	-0.332	0.224	0.65	0.077	0.3	1.11
			Chara	0.034	0.472	0.33			
			Baxter	-0.345	0.216	0.67			
			Westonia	0.608	0.062	1.21			
2B	82.4	88.23	Yitpi	-0.512	0.297	0.53	0	2.9	5.75
			Chara	-2.372	0.012	1.94			
			Baxter	0.885	0.186	0.73			
			Westonia	1.656	0.043	1.36			
2D	7.35	31.25	Yitpi	-4.902	0.003	2.5	0	60	82.48
			Chara	4.4	0.012	1.93			
			Baxter	-9.16	0	6.42			
			Westonia	5.304	0.002	2.68			
2D	56.66	57.16	Yitpi	-1.121	0.022	1.66	0.003	0.8	2.48
			Chara	0.716	0.096	1.02			
			Baxter	0.447	0.222	0.65			
			Westonia	-0.127	0.415	0.38			
3D	149.76	151.28	Yitpi	0.838	0.081	1.09	0.036	0.4	1.44
			Chara	-0.294	0.385	0.41			
			Baxter	-0.299	0.383	0.42			
			Westonia	-0.358	0.361	0.44			
4B	75.62	77.66	Yitpi	-0.28	0.271	0.57	0.011	0.5	1.95
			Chara	0.495	0.158	0.8			
			Baxter	0.553	0.128	0.89			
			Westonia	-0.825	0.038	1.42			
5A	199.63	203.26	Yitpi	-0.612	0.118	0.93	0.002	0.7	2.77
			Chara	0.962	0.027	1.57			
			Baxter	-0.597	0.136	0.87			
			Westonia	0.176	0.363	0.44			
5B	240.97	241.47	Yitpi	0.292	0.312	0.51	0	1	3.86
			Chara	-1.336	0.013	1.87			
			Baxter	-0.063	0.46	0.34			
			Westonia	0.994	0.058	1.24			
5D	64.86	68.49	Yitpi	-0.537	0.208	0.68	0	1.6	6.2
			Chara	-0.882	0.089	1.05			
			Baxter	1.534	0.007	2.13			
			Westonia	-0.248	0.352	0.45			
6B	35.09	35.59	Yitpi	-0.127	0.379	0.42	0.101	0.3	0.99
			Chara	-0.47	0.119	0.92			
			Baxter	0.503	0.088	1.05			
			Westonia	0.062	0.449	0.35			
6B	162.33	163.85	Yitpi	-0.647	0.151	0.82	0.001	1	2.96
			Chara	-0.951	0.094	1.03			
			Baxter	0.33	0.304	0.52			
			Westonia	1.153	0.029	1.53			
7A	129.56	138.28	Yitpi	1.854	0.007	2.13	0	2.1	7.03
			Chara	-0.878	0.123	0.91			
			Baxter	-1.08	0.079	1.1			
			Westonia	-0.094	0.452	0.35			
7B	101.37	102.38	Yitpi	0.808	0.039	1.41	0.032	0.4	1.5
			Chara	-0.257	0.329	0.48			
			Baxter	-0.07	0.445	0.35			
			Westonia	-0.534	0.125	0.9			
Unlinked1	5.08	5.58	Yitpi	0.568	0.302	0.52	0.01	0.6	2.01
			Chara	-0.649	0.277	0.56			
			Baxter	0.568	0.302	0.52			
			Westonia	-0.649	0.277	0.56			