

Supplementary file 4. Comparison of loci identified by GWAS with previously reported QTLs.

Locus	SNP name	Chromosome	SNP Position	Flanking markers	Physical location (Mb)	Reference
dmG-1.1	SNP31098	1	2,107,675	UW044821	1.2	Zhang et al.
				SSR05793	3.1	2018
dmG-1.2	SNP187059	1	10,520,443	UW084539	8.72	Zhang et al.
				SSR16055	13.30	2018
dmG-1.3	SNP293263	1	16,465,444	Marker1_15701257	15.70	Wang et
				Marker1_26471365	26.47	al.2018
dmG-1.4	SNP398090	1	21,761,223	Marker1_15701257	15.70	Wang et
				Marker1_26471365	26.47	al.2018
dmG-2.1	SNP639496	2	4,618,724		Novel	
dmG-2.2	SNP730945	2	8,449,502	SSR13532	5.64	Win et al. 2017
				SSR13105	10.28	
dmG-2.3	SNP829346	2	12,989,299	Marker2_7976333	7.97	Wang et al.
				Marker2_12537499	12.82	2018
dmG-3.1	SNP1139014	3	8,524,603	SSR16264	9.15	Win et al. 2017
				SSR13312	10.25	
dmG-4.1	SNP1793602	4	5,302,408	SSR00012	4.11	Cavagnaro et
				SSR13159	20.10	al.2011
dmG-4.2	SNP1938892	4	13,242,382	SSR00012	4.11	Cavagnaro et
				SSR13159	20.10	al.2011
dmG-4.3	SNP2065096	4	19,027,366	SSR00012	4.11	Cavagnaro et
				SSR13159	20.10	al.2011
dmG-5.1	SNP2452535	5	18,119,570	Marker5_16446482	16.44	Wang et
				Marker5_18140438	18.14	al.2018
dmG-5.2	SNP2531703	5	22,899,752	SSR01498	22.66	Zhang et al.
				InDel82	25.75	2018
dmG-6.1	SNP13977656	6	13,977,656		5.54	Win et al. 2016
					17.28	
dmG-6.2	SNP3104337	6	25,297,012	SSR01148	25.95	Wang et al.
				SSR05946	28.09	2016
dmG-6.3	SNP3158927	6	28,650,383	SSR01148	25.95	Wang et al.
				SSR05946	28.09	2016
dmG-7.1	SNP3165616	7	84,900		Novel	
dmG-7.2	SNP3517753	7	18,251,423	SSR33278	17.52	Yoshioka et al.
				SSR477	19.19	2014