

Table S1. Cultivated soybean accessions (*G. max*) with white flowers used in this study.

Accession	Location	Accession	Location	Accession	Location
Korea		IT154486	Gyeongsangbuk	PI54592	Liaoning
IT021634(*)	Hamkyungnam	IT154526	Gyeongsangbuk	PI54610	Jilin
IT021646(*)	Unknown	IT154595	Gyeongsangbuk	PI54818	Heilongjian
IT021702(*)	Gyeongsangbuk	IT154616	Gyeongsangbuk	PI58955(*)	Shandong
IT021755(*)	Gyeonggi	IT154683	Gyeongsangbuk	PI60296(*)	Zhejiang
IT022429(*)	Gyeonggi	IT154755	Gyeongsangbuk	PI61944	Hebei
IT022564	Unknown	IT154764	Unknown	PI63468	Hebei
IT022606(*)	Gyeongsangbuk	IT155685(*)	Unknown	PI68011(*)	Jilin
IT022620	Gyeongsangbuk	IT155998	Unknown	PI71444(*)	Jiangsu
IT022636(*)	Gyeongsangbuk	IT157863	Unknown	PI71677	Jiangsu
IT024453(*)	Chungcheongbuk	IT157951	Unknown	PI90392	Tianjin
IT025349	Unknown	IT160143	Unknown	PI90406	Beijing
IT025387	Unknown	IT160156	Unknown	PI90760	Beijing
IT025485	Unknown	IT162651	Unknown	PI93055	Zhejiang
IT100804	Unknown	IT162654	Gyeonggi		
IT104013	Unknown	IT162665	Gyeonggi	Japan	
IT104915	Gangwon	IT186114	Unknown	PI80461	Tokyo
IT105199	Unknown	IT186213	Unknown	PI80466-1	Hokkaido
IT105735	Unknown	IT186230	Chungcheongbuk	PI80479	Iwate
IT108792	Unknown	IT189226	Gyeongsangbuk	PI80480	Saitama
IT110990	Unknown	K00333	Unknown	PI80488	Kanagawa
IT115394	Gangwon	PI64698	Gyeonggi	PI80834-1	Fukushima
IT115485(*)	Gangwon	PI82246-1	Gyeonggi	PI80847-1(*)	Akita
IT115718	Jeollabuk	PI82263-1	Gyeonggi	PI81023(*)	Hokkaido
IT115753	Gyeongsangnam	PI83945-3	Gyeonggi	PI83923	Akita
IT115779	Gyeongsangbuk	PI84908-1	Pyongyang	PI84959	Yamaguch
IT115898	Gyeongsangbuk	PI84946-1	Gyeongsangnam	PI84964(*)	Hyogo
IT115903	Gyeongsangbuk	PI86904	Chungcheongbuk	PI84965	Hyogo
IT141697	Jeollabuk	PI87600-1	Gangwon	PI84973(*)	Saitama
IT141811	Jeollanam	PI91725-1	Pyongyang	PI85666	Tokyo
IT142886	Unknown			PI85878	Iwate
IT153718	Unknown	China		PI86876	Okinawa
IT153790	Unknown	PI171442	Shanxi	PI87525	Okinawa
IT154380	Gyeongsangnam	PI30594(*)	Heilongjian	PI94159(*)	Kagoshima
IT154410	Gyeongsangnam	PI36906	Liaoning		

* Nucleotide sequences of the *w1* gene were determined in this study.

IT accessions from National Agrobiodiversity Center, Republic of Korea (<http://www.genebank.go.kr>).

PI accessions from USDA Soybean Germplasm Collection (<http://www.ars-grin.gov>).

Table S2. Cultivated soybean accessions (*G. max*) with purple flowers used in this study.

Accession	Location	Accession	Location
Korea		India	
IT022491	Chungcheongnam	IT208306	Unknown
IT024353	Gyeonggi	IT263395	Unknown
IT115634	Jeollabuk		
IT115853	Gyeongsangbuk	Indonesia	
IT141493	Gangwon	IT161013	Unknown
IT141605	Chungcheongnam	IT165343	Unknown
IT141739	Jeollanam		
IT154524	Gyeongsangnam	Myanmar	
IT154548	Gyeongsangbuk	IT252795	Yezin
IT186135	Gyeongsangnam	IT263338	Taunggyi
China		Nepal	
IT022876	Fushoushan	IT136306	Hetauda
IT201665	Jilin	IT200606	Arunkhola
PI495017A	Beijing		
PI518716	Liaoning	Russia	
PI532457	Sichuan	IT173147	Primorsky
PI549031	Beijing	IT173148	Primorsky
PI567366A	Ningxia		
PI567636	Henan	Vietnam	
PI567688A	Anhui	IT165401	Hanoi
PI612736	Jilin	IT171172	Hanoi
Japan			
PI200458	Shikoku		
PI227212	Shizuoka		
PI416793	Tohoku		
PI416833	Kanto and Tosan		
PI416908	Tohoku		
PI453935	Kumamoto		
PI561377	Kanto and Tosan		

Table S3. Wild soybean accessions (*G. soja*) with purple flowers used in this study.

Accession	Location
Korea	
PI339731	Gangwon
PI407229	Chungcheongnam
PI407271	Jeollabuk
PI407280	Jeju
PI424120	Gyeongsangnam
China	
PI407290	Jilin
PI458538	Heilongjiang
PI464939A	Jiangsu
PI483462B	Beijing
PI549036	Liaoning
Japan	
PI366121	Fukushima
PI378701A	Iwate
PI406684	Hokkaido
PI507624	Gifu
PI507646	Hiroshima

Figure S1. Distribution of soybeans with purple color used in this experiment.

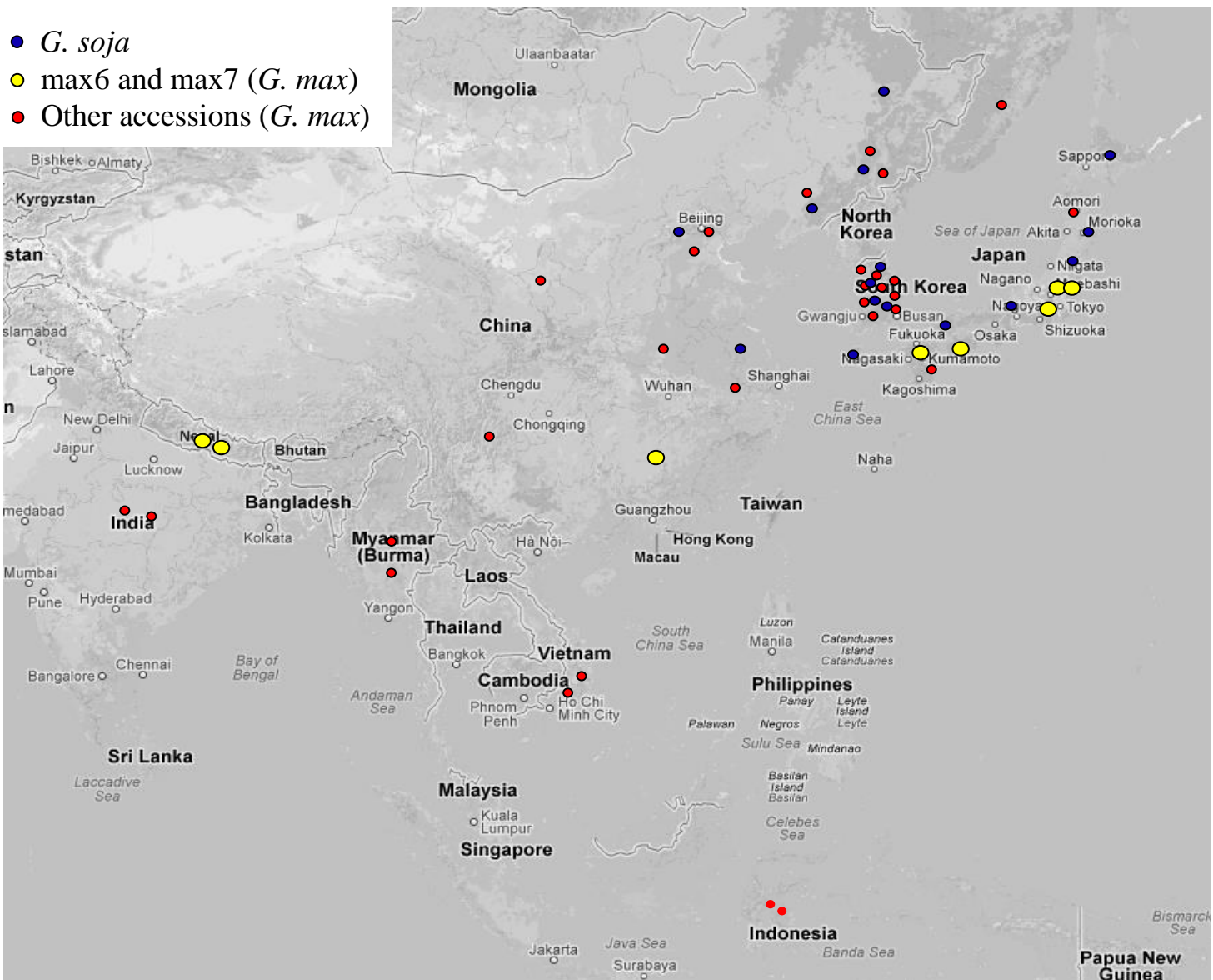


Figure S2. (continued)



Figure S2. (continued)



Figure S2. (continued)



Figure S2. (continued)



Figure S2. (continued)

