

Table S1: Identification, name, origin, and maturity group (MG) of 186 soybean accessions.

#	ACCESSION	NAME	ORIGIN	MG
1	PI103415	No. 2	China	IV
2	PI170896	11/45S95	South Africa	V
3	PI171429	An Yang Black	China	IV
4	PI200495	Kuro Daizu	Japan	IV
5	PI209332	No. 4	Japan	IV
6	PI222546	947-DCE-Sj-020-1	Argentina	VII
7	PI222550	951-DCE-Sj-096	Argentina	VIII
8	PI235347	---	Japan	IV
9	PI253651B	No. 2	China	IV
10	PI253651D	No. 2	China	IV
11	PI253652B	No. 3	China	IV
12	PI253654	No. 5	China	IV
13	PI253656B	No. 7	China	IV
14	PI253665B	No. 16	China	IV
15	PI264555	F.A.V. 24-3	Argentina	IV
16	PI266807D	No. 5	China	IV
17	PI304218	Taichung Green	Taiwan	IV
18	PI339734	---	South Korea	IV
19	PI339736	---	South Korea	IV
20	PI346306	PLSO-56	India	V
21	PI346309	PLSO-73	India	V
22	PI377574	Hakuto	Japan	IV
23	PI378682C	---	Japan	IV
24	PI381659	Bukalasa 2	Uganda	V
25	PI381667	Kakira 10	Uganda	V
26	PI385942	Enrei	Japan	IV
27	PI398276	CHIRPAN 90 (BULGARIA)	South Korea	IV
28	PI398368	KAS 200-23-1	South Korea	IV
29	PI398823	KAS 360-12	South Korea	IV
30	PI398965	KLS 628-1	South Korea	IV
31	PI404161	Mocinabe 7	Georgia	IV
32	PI404163	Can li	China	IV
33	PI404177	Tiu sen jan lj gu	China	IV
34	PI404179A	Tiu sen zyan tiao czi	China	IV
35	PI404197	Lian suj pin din huan	China	IV
36	PI407778A	---	South Korea	IV
37	PI416943	Ibaragi	Japan	III
38	PI416971	Kaifuu gyuumou ou 1	Japan	IV
39	PI417092	Kuro mame	Japan	IV
40	PI417345B	(Shou outou)	China	IV
41	PI417380	Tekkyou seitou	China	IV
42	PI417578	Sherwood	United States	IV

43	PI423926	Tousan 72	Japan	IV
44	PI423927	Tousan 93	Japan	IV
45	PI424488A	KAS 604-21	South Korea	III
46	PI471938	0197	Nepal	V
47	PI476933	Xanh xuan mai	Vietnam	V
48	PI494851	ZFA 3475	Zambia	VI
49	PI495831	Adoc	France	I
50	PI495832	Fred	France	I
51	PI507690	Mocinave 7	Georgia	V
52	PI512039	Pyramid	United States	IV
53	PI512322A	Imeretinskaja	Georgia	I
54	PI518664	Hutcheson	United States	V
55	PI518671	Williams 82	United States	III
56	PI518751	NS-20	Serbia	II
57	PI518752	NS-106	Serbia	I
58	PI518753	NS-L-30	Serbia	I
59	PI518754	NS-L-118	Serbia	I
60	PI518830	Domestic Novi Sad	Serbia	00
61	PI518831	Grignon 21	France	0
62	PI544354	Walters	United States	V
63	PI548337	Hahto [Michigan]	Japan	IV
64	PI548339	Harbinsoy	China	IV
65	PI548344	Hongkong	China	IV
66	PI548362	Lincoln	United States	III
67	PI548401	Patterson	Morocco	IV
68	PI548410	Scioto	China	IV
69	PI548427	Wilson	China	IV
70	PI548516	Blackhawk	United States	I
71	PI548546	Custer	United States	IV
72	PI548547	Cutler	United States	IV
73	PI548598	Miles	United States	IV
74	PI548645	Pharaoh	United States	IV
75	PI548660	Bragg	United States	VII
76	PI548667	Essex	United States	V
77	PI553039	Davis	United States	VI
78	PI556949	Ke feng No. 1	China	IV
79	PI561375	Qi huang No. 1	China	V
80	PI567300A	Da hei dou	China	IV
81	PI567303A	Hei da dou	China	IV
82	PI567307	Hei huang dou	China	IV
83	PI567319A	Huang dou	China	IV
84	PI567335A	Lai da dou	China	IV
85	PI567348	Shen huang dou	China	IV
86	PI567352B	(Yang yan qing dou)	China	IV

87	PI567353	Yang yan ren dou	China	IV
88	PI567354	You huang dou	China	IV
89	PI567374	Ba yue zha	China	IV
90	PI567398	Lu lan dou	China	IV
91	PI567415A	Bai da huang dou	China	IV
92	PI567424B	(Bai hei dou)	China	IV
93	PI567426	Bai huang dou	China	IV
94	PI567432B	(Da yang bai dou)	China	IV
95	PI567432C	(Da yang bai dou)	China	IV
96	PI567434	Hei bai dou	China	IV
97	PI567442	Huang dou	China	IV
98	PI567455	Huang yuan dou	China	IV
99	PI567458	Ji li huang dou	China	IV
100	PI567464	Ping ding xiao huang dou	China	IV
101	PI567467	Xiao bai huang dou	China	IV
102	PI567477	Yu xuan 12	China	IV
103	PI567478	Yuan huang dou	China	IV
104	PI567489A	Er da li huang dou	China	IV
105	PI567490	Er huang dou	China	IV
106	PI567492	Hei bai men huang dou	China	IV
107	PI567493	Huang dou	China	IV
108	PI567532	Dai ye xiao huang dou	China	IV
109	PI567540A	Gu li hun	China	IV
110	PI567548	Hua li hu zi	China	IV
111	PI567552	Huang si li	China	IV
112	PI567556	Kao shan hong	China	IV
113	PI567562A	Lou gan huang	China	IV
114	PI567564	Mao huang dou	China	IV
115	PI567582A	Qi si wa	China	IV
116	PI567583C	(Qi tu gu)	China	IV
117	PI567602D	(Xiao tie ke)	China	IV
118	PI567632B	(Luan chuan xiao huang dou)	China	IV
119	PI567633	Luo ning da ke bai dou	China	IV
120	PI567659	Tong xu xiao zi huang	China	IV
121	PI567673B	(Yu cheng da zi tie jiao huang)	China	IV
122	PI567675	Yu cheng xiao tie jiao huang	China	IV
123	PI567696B	(Fu yang (15))	China	IV
124	PI567698A	Fu yang (17)	China	IV
125	PI567726	Fu yang (50)	China	IV
126	PI567733	Fu yang (58)	China	IV
127	PI567747	Pei xian da bai pi jia	China	IV
128	PI567749B	(Pei xian da hong mao)	China	IV
129	PI567751A	Pei xian hong mao you	China	IV
130	PI567755A	Pei xian ping ding huang yi	China	IV

131	PI567758	Pei xian tu shan da ping ding huang	China	IV
132	PI567770C	(Tong shan da miao bai jian ke)	China	IV
133	PI567781	Tong shan zheng ji dou	China	IV
134	PI572240	Nile	United States	IV
135	PI573285	D68-0099	United States	VI
136	PI574483	Jin dou No. 5	China	IV
137	PI574484	Jin dou No. 6	China	IV
138	PI574485	Jin dou No. 9	China	IV
139	PI574534	Piatt	United States	III
140	PI578328A	Dona Flor 58	Argentina	VI
141	PI578331	OFPEC Rendidora 627	Argentina	VII
142	PI578494A	Jin dou No. 1	China	IV
143	PI578495	Jin dou No. 4	China	IV
144	PI587575A	Sha zhou jie jie si	China	IV
145	PI587980A	Liu yue huang No. 1	China	IV
146	PI588015B	(Bai mao dou)	China	IV
147	PI588026C	(Luo xi)	China	IV
148	PI588028	Mei zao dou	China	IV
149	PI592937	ZDD 18846	China	IV
150	PI592939	ZDD 18848	China	IV
151	PI594398B	(87-32)	China	IV
152	PI594409A	86-8-39	China	IV
153	PI594471B	(Da bai dou)	China	IV
154	PI594496	Xiao hei dou	China	IV
155	PI594873	Hu pi huang dou	China	IV
156	PI594889	Yang dou	China	IV
157	PI597382	Omaha	United States	IV
158	PI597387	Pana	United States	III
159	PI603588	Jing si dou	China	V
160	PI604100	LS90-1920	United States	IV
161	PI606748	REND	United States	IV
162	PI607380	LS92-1800	United States	IV
163	PI613055	CIGRAS-06	Costa Rica	X
164	PI613056	CIGRAS-51	Costa Rica	IX
165	PI619232	UARK-5896	United States	V
166	PI620883	LS93-0375	United States	IV
167	PI634335	LS94-3207	United States	IV
168	PI639569	PELICAN SM-ICA	Colombia	V
169	PI639571A	VIR 8270	Colombia	III
170	PI639571B	VIR 8270	Colombia	IV
171	PI639634	DAURIYA	Russian Federation	00
172	PI642732	Nitrasoy	United States	VI
173	PI647962	R95-1705	United States	V
174	PI648270	OSAGE	United States	V

175	PI659697	R05-1415	United States	IV
176	PI659698	R05-1772	United States	V
177	PI659987	R99-1613F	United States	IV
178	PI665035	Saluki 4910	United States	IV
179	PI665036	Saluki 4411	United States	X
180	PI667740	UA 5612	United States	IX
181	PI670461	UA 5213C	United States	VIII
182	PI672534	Saluki 4313	United States	IV
183	PI675652	BRS Barreiras	Brazil	IX
184	PI675653	BRS Carnauba	Brazil	IX
185	PI96169B	464	North Korea	IV
186	PI96171	466	North Korea	II