

Supplementary Table S1. Information of Korean peanut varieties analyzed in the study.

List No.	Name	Accession No.	Released year	List No.	Name	Accession No.	Released year
1	Saedeul	IT 172555	1983	29	Baekseon	IT 214789	2004
2	Daekwang	IT 172557	1985	30	Sangpyeong	IT 221532	2005
3	Namkwang	-	1990	31	Baekan	IT 221533	2005
4	Daewon	IT 172812	1990	32	Jopyeong	IT 221534	2006
5	Sinnamkwang	IT 185464	1992	33	Charmwon	IT 221535	2006
6	Wangddangkong	IT 214792	1993	34	Charmpyeong	IT 229433	2007
7	Daepung	IT 214793	1994	35	Pungsan	-	2007
8	Sindaekwang	IT 214794	1995	36	Seonan	IT 229434	2007
9	Sinkwang	IT 191604	1996	37	Pungan	IT 229435	2008
10	Jokwang	IT 214796	1997	38	Ilpyeong	-	2009
11	Kipung	IT 196356	1997	39	Yeonpung	-	2010
12	Daecheong	IT 214798	1997	40	Boreom1	-	2010
13	Palkwang	IT 214799	1997	41	Sangan	-	2011
14	Mikwang	IT 212202	1998	42	Jaseon	-	2011
15	Joan	IT 214800	1999	43	Sinpalkwang	-	2012
16	Sekwang	IT 212203	1999	44	Ami	IT 310161	2012
17	Hokwang	IT 214802	1999	45	Hwaseon	-	2012
18	Daeyang	IT 214803	2000	46	Danwon	IT 310160	2013
19	Daesin	IT 212204	2000	47	K-OI	IT 310159	2013
20	Bowon	IT 214805	2001	48	Daan	-	2013
21	Dakwang	IT 172557	2001	49	Heuksaeng	IT 310158	2014
22	Pungkwang	IT 214806	2002	50	Ahwon	IT 304334	2015
23	Akwang	IT 213162	2002	51	Tamsil	-	2016
24	Daemyung	IT 214781	2003	52	Sewon	-	2017
25	Kokwang	IT 213164	2003	53	Hae-OI	-	2018
26	Jakwang	IT 213159	2003	54	Milyang79	-	2019
27	Baekjung	IT 213160	2003	55	Milyang75	-	2019
28	Danuri	IT 214787	2004				

Supplementary Table S2. Lists of selected 22 SNP markers and their information.

No.	Probeset ID	Genome	Chromosome	Position	Minor allele frequency
1	AX-176794786	<i>Arachis duranensis</i>	A01	101,033,367	0.1273
2	AX-147212864	<i>Arachis duranensis</i>	A02	3,838,047	0.3091
3	AX-176806629	<i>Arachis duranensis</i>	A03	3,092,196	0.2182
4	AX-176818000	<i>Arachis duranensis</i>	A03	3,943,743	0.2182
5	AX-176802670	<i>Arachis duranensis</i>	A03	40,242,026	0.1273
6	AX-147217672	<i>Arachis duranensis</i>	A03	119,344,311	0.3091
7	AX-176814227	<i>Arachis duranensis</i>	A03	1,699,691	0.2182
8	AX-176814341	<i>Arachis duranensis</i>	A03	36,842,556	0.2182
9	AX-147216563	<i>Arachis duranensis</i>	A03	29,380,310	0.3091
10	AX-176802618	<i>Arachis duranensis</i>	A05	89,861,579	0.1273
11	AX-176793939	<i>Arachis duranensis</i>	A06	18,483,991	0.1273
12	AX-147224640	<i>Arachis duranensis</i>	A06	7,736,770	0.3273
13	AX-176815388	<i>Arachis duranensis</i>	A08	44,888,104	0.2182
14	AX-176802696	<i>Arachis duranensis</i>	B01	112,535,911	0.3455
15	AX-176804113	<i>Arachis ipaensis</i>	B03	14,456,209	0.2909
16	AX-176797614	<i>Arachis ipaensis</i>	B03	4,744,976	0.1273
17	AX-176793831	<i>Arachis ipaensis</i>	B03	8,126,022	0.3273
18	AX-176809362	<i>Arachis ipaensis</i>	B05	123,479,251	0.2182
19	AX-176807103	<i>Arachis ipaensis</i>	B05	16,724,170	0.2182
20	AX-176791561	<i>Arachis ipaensis</i>	B06	122,810,153	0.3273
21	AX-177637377	<i>Arachis ipaensis</i>	B10	134,053,567	0.2182
22	AX-177639117	<i>Arachis ipaensis</i>	B10	120,152,356	0.4000