

Table S3 SNP information statistics of *P. crassifolia*

Group	Clone accession	SNP number	Integrity /%	Hetloci ratio/%	Group	Clone accession	SNP number	Integrity /%	Hetloci ratio/%
DDS	92	2,267,242	18.47	9.15	LCH	66	2,134,550	17.39	8.99
DDS	93	2,348,631	19.13	9.14	LCH	69	2,252,820	18.35	8.94
DDS	95	2,139,811	17.43	8.81	LCH	154	2,466,491	20.09	9.72
DDS	96	2,120,259	17.27	9.08	LCH	155	2,218,384	18.07	8.88
DDS	98	2,564,309	20.89	6.67	LCH	156	2,737,463	22.30	8.11
DDS	94	3,606,123	29.38	8.47	LCH	158	2,117,277	17.25	7.96
DDS	89	2,389,125	19.46	7.24	LCH	153	3,065,469	24.97	8.70
DDS	90	2,193,067	17.87	6.88	LCH	67	2,397,443	19.53	7.18
DDS	91	2,656,046	21.64	7.34	LCH	68	2,925,591	23.83	9.08
DDS	97	3,541,604	28.85	9.12	LCH	75	4,136,952	33.70	9.80
DHK	109	2,525,069	20.57	9.42	LC	39	2,316,925	18.87	8.84
DHK	76	2,717,377	22.14	5.76	LC	48	2,090,766	17.03	9.28
DHK	77	2,217,145	18.06	7.03	LC	51	1,890,934	15.40	8.42
DHK	105	2,222,120	18.10	6.81	LC	54	3,291,325	26.81	7.87
DHK	106	1,939,562	15.80	6.45	LC	55	2,156,368	17.57	8.88
DHK	111	2,431,938	19.81	7.25	LC	60	2,272,844	18.51	9.29
DHK	124	2,159,104	17.59	6.92	LC	61	2,102,345	17.13	8.59
DHK	125	3,014,132	24.55	8.47	LC	62	2,332,513	19.00	9.23
DHS	31	2,128,003	17.33	8.80	LC	64	2,844,988	23.18	9.43
DHS	82	2,286,061	18.62	8.11	LC	52	4,049,531	32.99	8.99
DHS	83	2,430,707	19.80	9.06	LC	56	2,587,466	21.08	7.95
DHS	23	2,898,300	23.61	8.49	LC	49	2,074,937	16.90	8.40
DHS	25	3,261,249	26.57	9.47	LC	57	2,558,408	20.84	9.02
DHS	26	2,145,298	17.48	6.49	LC	42	2,761,907	22.50	8.36
DHS	27	3,058,956	24.92	8.93	LC	45	2,185,404	17.80	6.15
DHS	28	2,956,993	24.09	8.62	XS	108	2,301,940	18.75	8.35
DHS	30	2,099,746	17.10	6.67	XS	118	2,429,920	19.79	9.23
DHS	79	2,366,746	19.28	7.24	XS	123	2,303,375	18.76	6.68
DHS	80	2,282,147	18.59	6.86	XS	133	2,433,809	19.83	9.36
GC	17	2,201,266	17.93	9.06	XS	140	2,032,448	16.56	8.58
GC	14	2,950,389	24.03	8.62	XS	145	2,363,702	19.26	9.27
GC	15	3,267,024	26.61	9.08	XS	146	1,971,986	16.06	8.18
GC	18	3,377,556	27.51	8.86	XS	148	2,378,440	19.38	9.11
GC	19	2,828,634	23.04	7.60	XS	150	2,123,625	17.30	8.35
GC	20	2,090,116	17.03	6.36	XS	161	2,208,835	17.99	8.50
GC	21	2,475,276	20.16	7.20	XS	164	2,321,578	18.91	7.34
GC	22	3,052,930	24.87	9.11	XS	87	3,338,208	27.19	7.88
HX	10	2,251,295	18.34	8.95	XS	88	3,531,028	28.76	8.70
HX	2	1,971,193	16.06	7.69	XS	85	2,242,174	18.27	8.32

HX	3	4,136,822	33.70	9.52	XS	101	3,007,490	24.50	8.63
HX	4	2,396,731	19.52	8.27	XS	103	2,710,974	22.08	9.07
HX	5	3,108,723	25.32	7.76	XS	107	2,352,208	19.16	7.60
HX	6	3,178,543	25.89	7.92	XS	116	2,573,445	20.96	7.21
HX	7	4,487,841	36.56	10.99	XS	135	2,927,258	23.85	8.41
HX	9	2,533,393	20.64	7.59	XS	138	2,546,908	20.75	7.98
HX	11	3,241,100	26.40	9.10	XS	142	2,439,976	19.88	7.85
HX	12	2,522,359	20.55	7.28	XS	152	2,152,132	17.53	6.54
QL	34	2,858,436	23.29	9.14	SDL	132	2,132,709	17.37	5.41
QL	32	3,058,296	24.91	8.95	XYH	70	3,739,016	30.46	9.51
QL	33	2,144,399	17.47	6.63	XYH	71	3,043,281	24.79	8.62
QL	35	2,906,011	23.67	8.17	XYH	72	2,476,112	20.17	6.96
QL	36	1,915,028	15.60	6.53	XYH	73	2,248,977	18.32	7.24