



Figure S1. LD block analysis for GWAS in a 3Mb region on chromosome 11 surrounding *Pv_1154123*.

Table S1. The detected SNPs associated with rust resistance.

Marker	Alleles	Chr	Pos	LOD	MarkerR ²
Pv_0007169	G/A	1	5255328	3.86	0.29
Pv_0042869	T/C	1	29333069	3.75	0.30
Pv_0053609	T/C	1	35369449	3.74	0.23
Pv_0059685	C/T	1	39798031	3.69	0.24
Pv_0103183	A/G	2	13091351	3.65	0.30
Pv_0106805	T/C	2	16229463	4.21	0.37
Pv_0167418	C/A	2	37091191	3.66	0.37
Pv_0195528	C/T	2	46754905	3.73	0.29
Pv_0226091	T/C	3	12402262	3.63	0.22
Pv_0270792	G/A	3	31067113	3.73	0.29
Pv_0319157	T/G	4	21620447	3.70	0.20
Pv_0322658	A/C	4	23777303	3.84	0.30
Pv_0325504	G/A	4	25423069	3.53	0.24
Pv_0330640	A/G	4	28533002	3.64	0.25
Pv_0339195	C/T	4	33080600	3.96	0.23
Pv_0340041	T/G	4	33564176	4.35	0.49
Pv_0346308	C/T	4	37492669	3.94	0.26
Pv_0362334	A/T	4	44224416	3.51	0.42
Pv_0365421	C/T	4	45831727	3.50	0.25
Pv_0389986	G/T	5	1484710	3.51	0.39
Pv_0434325	G/C	5	17823775	3.78	0.24
Pv_0470869	C/T	5	38200892	3.60	0.24
Pv_0481643	G/A	6	3887133	4.10	0.25
Pv_0487816	G/T	6	6404511	3.53	0.30
Pv_0494796	G/A	6	9083082	3.87	0.38
Pv_0500403	C/T	6	10563984	5.22	0.37
Pv_0502234	C/T	6	11148336	3.74	0.23
Pv_0519503	C/T	6	18253715	3.83	0.34
Pv_0551231	T/G	7	8115339	3.59	0.44
Pv_0563869	T/C	7	13837112	3.84	0.31
Pv_0582823	G/A	7	20638356	3.64	0.24
Pv_0586296	A/G	7	21953604	4.10	0.32
Pv_0696815	A/G	8	16470214	3.72	0.30
Pv_0697529	A/T	8	16958515	3.91	0.36
Pv_0703060	C/T	8	20119136	5.06	0.40
Pv_0715047	A/G	8	27492714	3.51	0.20
Pv_0721495	G/C	8	31166278	3.68	0.24
Pv_0730128	G/T	8	36454200	3.57	0.19
Pv_0735742	C/T	8	39367308	4.22	0.42
Pv_0741200	C/T	8	42546948	3.99	0.30
Pv_0758774	G/A	8	54053506	3.94	0.28
Pv_0763806	C/T	8	57065937	4.20	0.25
Pv_0800923	T/C	9	5730696	3.68	0.25
Pv_0880724	C/T	9	32733433	3.72	0.24
Pv_0891847	C/A	10	1857652	3.68	0.22
Pv_0896772	C/T	10	3381247	3.64	0.25
Pv_0926525	G/A	10	9069039	3.72	0.36
Pv_0956402	C/T	10	25344768	3.53	0.21
Pv_0965003	A/T	10	30053446	3.68	0.31
Pv_0967464	C/T	10	31420756	3.84	0.24

Pv_0976693	C/T	10	35351399	3.67	0.32
Pv_1020395	A/G	11	2576575	3.99	0.24
Pv_1024889	A/G	11	7145667	4.09	0.29
Pv_1062690	C/T	11	13494377	4.69	0.40
Pv_1065991	C/T	11	14394903	3.78	0.25
Pv_1066577	T/C	11	14911091	4.03	0.26
Pv_1066951	C/T	11	15338720	3.72	0.28
Pv_1071275	G/A	11	17387258	3.60	0.26
Pv_1077437	C/T	11	21225408	3.51	0.27
Pv_1087343	G/T	11	26988514	4.28	0.27
Pv_1105821	G/T	11	36927826	4.07	0.31
Pv_1112397	G/A	11	40485920	3.85	0.28
Pv_1128041	A/G	11	47173150	3.98	0.40
Pv_1154123	A/C	11	51791479	3.58	0.27

Table S2. Putative candidate genes in the QTLs regions and surrounding to the detected SNPs.

QTL/loci	Gene ID	Chr	Start	End	Annotation
Qur-1	Phvul.004G17570	Chr0	4783806	4784202	Protein kinase family protein with leucine-rich repeat domain
	0	4	6	1	
	Phvul.004G17580	Chr0	4784434	4784839	Protein kinase family protein with leucine-rich repeat domain
	0	4	0	8	
	Phvul.004G17590	Chr0	4785316	4785696	Protein kinase family protein with leucine-rich repeat domain
	0	4	8	0	
Qur-2	Phvul.004G17790	Chr0	4798534	4798899	Leucine-rich repeat protein kinase family protein
	0	4	4	7	
	Phvul.005G02720	Chr0	2531034	2534630	NB-ARC domain-containing disease resistance protein
	0	5			
	Phvul.005G03120	Chr0	2895711	2899880	LRR and NB-ARC domains-containing disease resistance protein
	0	5			
	Phvul.005G03240	Chr0	2993278	2993718	Disease resistance-responsive (dirigent-like protein) family protein
	0	5			
	Phvul.005G03250	Chr0	3004781	3005350	Disease resistance-responsive (dirigent-like protein) family protein
	0	5			
	Phvul.005G03260	Chr0	3005604	3006439	Disease resistance-responsive (dirigent-like protein) family protein
	0	5			
	Phvul.005G03270	Chr0	3014210	3015142	Disease resistance-responsive (dirigent-like protein) family protein
	0	5			
Qur-3	Phvul.005G04430	Chr0	4531267	4535376	ABC transporter family protein
	0	5			
	Phvul.005G04440	Chr0	4540585	4552159	ABC transporter family protein
	0	5			
	Phvul.006G05150	Chr0	1562513	1562820	NB-ARC domain-containing disease resistance protein
	0	6	0	1	
	Phvul.006G05230	Chr0	1568713	1569048	NB-ARC domain-containing disease resistance protein
	0	6	7	1	
	Phvul.006G05240	Chr0	1569703	1570128	NB-ARC domain-containing disease resistance protein
	0	6	9	9	

GWAS	Phvul.006G05250	Chr0	1571564	1571831	NB-ARC domain-containing disease resistance protein
	0	6	2	4	
	Phvul.006G05260	Chr0	1573426	1574489	NB-ARC domain-containing disease resistance protein
	0	6	5	1	
	Phvul.006G05650	Chr0	1632353	1632564	NB-ARC domain-containing disease resistance protein
	0	6	0	2	
	Phvul.001G04710	Chr0	4955650	4961025	Protein kinase superfamily protein
	0	1			
	Phvul.001G04790	Chr0	5042113	5046099	Protein kinase superfamily protein
	0	1			
	Phvul.001G04805	Chr0	5065951	5077978	Protein kinase superfamily protein
	0	1			
	Phvul.001G04820	Chr0	5092278	5094941	Protein kinase superfamily protein
	0	1			
	Phvul.001G04830	Chr0	5098055	5098405	Protein kinase superfamily protein
	0	1			
	Phvul.001G04860	Chr0	5137894	5140798	Protein kinase superfamily protein
	0	1			
	Phvul.001G04870	Chr0	5156426	5162916	Protein kinase superfamily protein
	1	1			
	Phvul.001G04880	Chr0	5168435	5171461	Protein kinase superfamily protein
	0	1			
	Phvul.001G04890	Chr0	5216094	5222823	Protein kinase superfamily protein
	0	1			
	Phvul.001G04900	Chr0	5251883	5254873	Protein kinase superfamily protein
	0	1			
	Phvul.001G04910	Chr0	5266820	5270057	Protein kinase superfamily protein
	1	1			
	Phvul.001G04930	Chr0	5286093	5287952	Protein kinase superfamily protein
	0	1			
	Phvul.001G05070	Chr0	5481456	5489717	Protein kinase superfamily protein
	0	1			
	Phvul.001G11510	Chr0	2938932	2939571	Leucine-rich repeat protein kinase family protein
	0	1	9	2	

Phvul.001G12820	Chr0	3556811	3557545	disease resistance protein (TIR-NBS-LRR class), putative
0	1	9	2	
Phvul.002G29560	Chr0	4647049	4647486	Leucine-rich repeat protein kinase family protein
0	2	6	0	
Phvul.002G29770	Chr0	4662439	4662945	Leucine-rich repeat (LRR) family protein
0	2	7	2	
Phvul.002G30190	Chr0	4698657	4699280	Protein kinase superfamily protein
0	2	1	2	
Phvul.004G09990	Chr0	3366191	3366561	disease resistance family protein / LRR family protein
0	4	4	2	
Phvul.004G10000	Chr0	3368776	3369107	disease resistance family protein / LRR family protein
0	4	5	9	
Phvul.004G10001	Chr0	3369635	3370837	disease resistance family protein / LRR family protein
4	4	2	3	
Phvul.004G10020	Chr0	3372898	3373249	disease resistance family protein / LRR family protein
0	4	3	6	
Phvul.004G10030	Chr0	3377978	3378269	disease resistance family protein / LRR family protein
0	4	2	5	
Phvul.004G10300	Chr0	3350115	3350613	disease resistance family protein / LRR family protein
0	4	4	9	
Phvul.004G10320	Chr0	3344567	3344840	disease resistance family protein / LRR family protein
0	4	0	0	
Phvul.004G10330	Chr0	3333792	3334147	disease resistance family protein / LRR family protein
0	4	6	2	
Phvul.004G10360	Chr0	3308861	3309395	disease resistance family protein / LRR family protein
0	4	8	5	
Phvul.004G13970	Chr0	4394871	4395266	Disease resistance protein (TIR-NBS-LRR class) family
0	4	2	4	
Phvul.004G13980	Chr0	4396677	4397065	disease resistance protein (TIR-NBS-LRR class), putative
0	4	8	4	
Phvul.004G13990	Chr0	4397923	4398972	disease resistance protein (TIR-NBS-LRR class), putative
0	4	6	8	
Phvul.004G14010	Chr0	4399643	4400047	disease resistance protein (TIR-NBS-LRR class), putative
0	4	1	2	

Phvul.004G14040	Chr0	4402393	4402600	disease resistance protein (TIR-NBS-LRR class), putative
0	4	1	0	
Phvul.004G14050	Chr0	4402876	4403604	disease resistance protein (TIR-NBS-LRR class), putative
0	4	4	8	
Phvul.004G14070	Chr0	4404330	4404728	disease resistance protein (TIR-NBS-LRR class), putative
0	4	2	7	
Phvul.004G14080	Chr0	4405365	4405773	disease resistance protein (TIR-NBS-LRR class), putative
0	4	6	6	
Phvul.004G15450	Chr0	4579971	4580409	Protein kinase superfamily protein
0	4	0	6	
Phvul.004G15460	Chr0	4581909	4582345	Protein kinase superfamily protein
0	4	0	7	
Phvul.004G15470	Chr0	4582694	4582785	Protein kinase superfamily protein
0	4	8	0	
Phvul.004G15480	Chr0	4582989	4583986	Protein kinase superfamily protein
0	4	3	8	
Phvul.004G15560	Chr0	4593919	4594392	Protein kinase superfamily protein
0	4	0	1	
Phvul.004G15580	Chr0	4595570	4596086	Protein kinase superfamily protein
0	4	7	0	
Phvul.005G01420	Chr0	1337185	1343069	NB-ARC domain-containing disease resistance protein
0	5			
Phvul.005G01470	Chr0	1227809	1232595	NB-ARC domain-containing disease resistance protein
1	5			
Phvul.005G01650	Chr0	1443971	1449481	disease resistance protein (TIR-NBS-LRR class), putative
0	5			
Phvul.005G01700	Chr0	1475070	1480689	Protein kinase superfamily protein
0	5			
Phvul.005G07880	Chr0	1757984	1758166	Leucine-rich repeat transmembrane protein kinase
0	5	5	6	
Phvul.005G07890	Chr0	1802652	1804934	Leucine-rich repeat transmembrane protein kinase
0	5	9	6	
Phvul.005G07900	Chr0	1801015	1801116	Leucine-rich repeat transmembrane protein kinase
0	5	2	3	

Phvul.005G07910	Chr0	1778729	1780055	Leucine-rich repeat transmembrane protein kinase
0	5	4	4	
Phvul.006G01390	Chr0	6487721	6489838	ABC-2 type transporter family protein
0	6			
Phvul.006G01990	Chr0	4036094	4050882	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
0	6			
Phvul.006G02900	Chr0	1099759	1100216	Leucine-rich receptor-like protein kinase family protein
0	6	4	1	
Phvul.006G07160	Chr0	1840554	1841112	Leucine-rich repeat protein kinase family protein
0	6	1	2	
Phvul.006G07230	Chr0	1850520	1850924	Protein kinase superfamily protein
0	6	3	1	
Phvul.007G08250	Chr0	8284534	8286019	Protein kinase superfamily protein
0	7			
Phvul.007G08290	Chr0	8322409	8327233	Protein kinase superfamily protein
0	7			
Phvul.007G11210	Chr0	2045785	2046104	Leucine-rich repeat protein kinase family protein
0	7	8	6	
Phvul.008G12270	Chr0	1708529	1710346	Protein kinase superfamily protein with octicosapeptide/Phox/Bem1p domain
0	8	1	1	
Phvul.008G12420	Chr0	1675558	1675782	Protein kinase superfamily protein
0	8	2	7	
Phvul.008G19482	Chr0	5380815	5381755	Disease resistance protein (TIR-NBS-LRR class) family
8	8	0	7	
Phvul.008G19490	Chr0	5383414	5383807	disease resistance protein (TIR-NBS-LRR class), putative
0	8	5	1	
Phvul.008G19500	Chr0	5384659	5384709	Disease resistance protein (TIR-NBS-LRR class) family
0	8	3	0	
Phvul.008G19510	Chr0	5387267	5388136	disease resistance protein (TIR-NBS-LRR class), putative
0	8	1	2	
Phvul.008G19521	Chr0	5390158	5391858	disease resistance protein (TIR-NBS-LRR class), putative
4	8	9	2	
Phvul.008G22190	Chr0	5708466	5708878	Leucine-rich repeat protein kinase family protein
0	8	3	0	

Phvul.008G22370	Chr0	5736197	5736707	Protein kinase superfamily protein
0	8	6	9	
Phvul.009G02380	Chr0	5776422	5780992	Leucine-rich repeat protein kinase family protein
0	9			
Phvul.009G02390	Chr0	5796347	5799960	Protein kinase superfamily protein
0	9			
Phvul.009G02420	Chr0	5901826	5905756	Protein kinase superfamily protein
0	9			
Phvul.010G02310	Chr1	3272172	3280327	LRR and NB-ARC domains-containing disease resistance protein
0	0			
Phvul.010G02320	Chr1	3283510	3296126	LRR and NB-ARC domains-containing disease resistance protein
0	0			
Phvul.010G02350	Chr1	3306753	3310882	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02360	Chr1	3315963	3326616	Protein kinase superfamily protein
0	0			
Phvul.010G02400	Chr1	3382255	3384686	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02410	Chr1	3388367	3391870	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02420	Chr1	3404232	3407834	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02425	Chr1	3412387	3416106	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02430	Chr1	3434532	3438142	Disease resistance protein (TIR-NBS-LRR class) family
1	0			
Phvul.010G02435	Chr1	3445959	3449123	Disease resistance protein (TIR-NBS-LRR class) family
1	0			
Phvul.010G02500	Chr1	3647546	3654388	Disease resistance protein (TIR-NBS-LRR class) family
0	0			
Phvul.010G02510	Chr1	3666324	3671253	NB-ARC domain-containing disease resistance protein
0	0			
Phvul.010G05815	Chr1	9178648	9190498	Protein kinase superfamily protein
0	0			

Phvul.010G06830	Chr1	2996674	2997381	Protein kinase superfamily protein
0	0	6	3	
Phvul.010G07040	Chr1	3128721	3129033	Leucine-rich repeat protein kinase family protein
0	0	1	8	
Phvul.010G09190	Chr1	3530614	3531034	NB-ARC domain-containing disease resistance protein
0	0	0	1	
Phvul.010G09270	Chr1	3513779	3514151	Protein kinase superfamily protein
0	0	9	3	
Phvul.011G02880	Chr1	2612121	2615929	Leucine-rich repeat (LRR) family protein
0	1			
Phvul.011G03000	Chr1	2721518	2726069	disease resistance protein (TIR-NBS-LRR class), putative
0	1			
Phvul.011G07480	Chr1	6969389	6974063	LRR and NB-ARC domains-containing disease resistance protein
0	1			
Phvul.011G16610	Chr1	4700320	4700554	NB-ARC domain-containing disease resistance protein
0	1	6	2	
Phvul.011G16780	Chr1	4727245	4728450	Leucine-rich repeat transmembrane protein kinase
0	1	6	3	
Phvul.011G20030	Chr1	5153594	5153982	NB-ARC domain-containing disease resistance protein
0	1	4	5	
Phvul.011G20040	Chr1	5154076	5154418	Protein kinase superfamily protein
0	1	1	6	
Phvul.011G20080	Chr1	5156959	5157403	LRR and NB-ARC domains-containing disease resistance protein
0	1	5	2	
Phvul.011G20082	Chr1	5160347	5160719	NB-ARC domain-containing disease resistance protein
0	1	0	8	
Phvul.011G20084	Chr1	5160920	5161834	LRR and NB-ARC domains-containing disease resistance protein
0	1	9	4	
Phvul.011G20086	Chr1	5161199	5161257	NB-ARC domain-containing disease resistance protein
0	1	0	1	
Phvul.011G20088	Chr1	5162222	5162793	LRR and NB-ARC domains-containing disease resistance protein
0	1	1	9	
Phvul.011G20090	Chr1	5164172	5164566	NB-ARC domain-containing disease resistance protein
0	1	8	3	

Phvul.011G20100	Chr1	5165121	5165472	LRR and NB-ARC domains-containing disease resistance protein
0	1	3	3	
Phvul.011G20110	Chr1	5165947	5166049	NB-ARC domain-containing disease resistance protein
1	1	8	7	
Phvul.011G20190	Chr1	5174220	5174420	NB-ARC domain-containing disease resistance protein
0	1	8	7	
Phvul.011G20210	Chr1	5175493	5175904	LRR and NB-ARC domains-containing disease resistance protein
0	1	9	5	
Phvul.011G20230	Chr1	5179006	5179373	NB-ARC domain-containing disease resistance protein
0	1	8	0	
Phvul.011G20236	Chr1	5179580	5179662	NB-ARC domain-containing disease resistance protein
6	1	4	2	
Phvul.011G20243	Chr1	5179795	5179898	LRR and NB-ARC domains-containing disease resistance protein
2	1	9	1	
Phvul.011G20260	Chr1	5184185	5184293	LRR and NB-ARC domains-containing disease resistance protein
1	1	7	3	
Phvul.011G20275	Chr1	5184321	5184416	LRR and NB-ARC domains-containing disease resistance protein
0	1	2	2	
Phvul.011G20280	Chr1	5184482	5184558	Disease resistance protein (TIR-NBS-LRR class) family
0	1	9	7	
Phvul.011G20290	Chr1	5184808	5185256	LRR and NB-ARC domains-containing disease resistance protein
0	1	3	4	
Phvul.011G20296	Chr1	5186543	5186929	NB-ARC domain-containing disease resistance protein
6	1	2	0	
Phvul.011G20303	Chr1	5188873	5189261	LRR and NB-ARC domains-containing disease resistance protein
2	1	9	0	
Phvul.011G20310	Chr1	5189358	5189712	LRR and NB-ARC domains-containing disease resistance protein
0	1	2	6	

Table S3. The detailed information for the 88 accessions in the diversity panel.

Taxa	Name or ID	Type	Origin
CB01	2017331074	Landrace	Zhejiang Province
CB02	2017332052	Landrace	Zhejiang Province
CB03	2017332063	Landrace	Zhejiang Province
CB04	P330726033	Landrace	Zhejiang Province
CB05	P330784011	Landrace	Zhejiang Province
CB06	P330784026	Landrace	Zhejiang Province
CB07	P331024004	Landrace	Zhejiang Province
CB08	P330182016	Landrace	Zhejiang Province
CB09	2018332202	Landrace	Zhejiang Province
CB10	2018332092	Landrace	Zhejiang Province
CB11	2018332211	Landrace	Zhejiang Province
CB12	2018332213	Landrace	Zhejiang Province
CB13	2018332240	Landrace	Zhejiang Province
CB14	2018332424	Landrace	Zhejiang Province
CB15	2018332439	Landrace	Zhejiang Province
CB16	2018333210	Landrace	Zhejiang Province
CB17	2018333222	Landrace	Zhejiang Province
CB18	P330781018	Landrace	Zhejiang Province
CB19	P331124017	Landrace	Zhejiang Province
CB20	2018334327	Landrace	Zhejiang Province
CB21	2018334422	Landrace	Zhejiang Province
CB22	2018332052	Landrace	Zhejiang Province
CB23	2018331426	Landrace	Zhejiang Province
CB24	2018333243	Landrace	Zhejiang Province
CB25	2018334210	Landrace	Zhejiang Province
CB26	2018334411	Landrace	Zhejiang Province
CB27	2018332405	Landrace	Zhejiang Province
CB28	2019334498	Landrace	Zhejiang Province
CB29	Sucaidou No.6	Cultivar	Jiangsu Province
CB30	Sucaidou No.7	Cultivar	Jiangsu Province
CB31	Sucaidou No.14	Cultivar	Jiangsu Province
CB32	Sucaidou No.16	Cultivar	Jiangsu Province
CB33	Zaobai No.12	Cultivar	Jiangsu Province
CB34	Zheyun No.9	Cultivar	Zhejiang Province
CB35	Liyun No.3	Cultivar	Zhejiang Province
CB36	Liyun No.2	Cultivar	Zhejiang Province
CB37	Jifengyoudou	Cultivar	Jilin Province
CB38	Lvlianyoudou	Cultivar	Jilin Province
CB39	Lvlongyoudou	Cultivar	Jilin Province
CB40	Zaofengyoudou	Cultivar	Jilin Province
CB41	Lvsongyoudou	Cultivar	Jilin Province
CB42	Huangfeiyoudou	Cultivar	Jilin Province
CB43	Ecaidou No.1	Cultivar	Hubei Province
CB44	Jiangdacaidou No.1	Cultivar	Hubei Province
CB45	Jiangdacaidou No.2	Cultivar	Hubei Province
CB46	Shuangqingyouxiu	Cultivar	Jiangxi Province
CB47	Fengyou No.8	Cultivar	Jiangxi Province
CB48	Shuangqingyingxiong	Cultivar	Jiangxi Province
CB49	Hongjinmajiadou	Cultivar	Jiangxi Province

CB50	Wushusijidou No.2	Cultivar	Hubei Province
CB51	Wushusijidou No.3	Cultivar	Hubei Province
CB52	Wushusijidou	Cultivar	Hubei Province
CB53	Baiyindou	Landrace	Zhejiang Province
CB54	Baizimeidou	Landrace	Zhejiang Province
CB55	Chuanhongjiadou	Landrace	Zhejiang Province
CB56	Chunqiujiadouwang	Landrace	Zhejiang Province
CB57	Cuiyu	Landrace	Zhejiang Province
CB58	Gaowensijidou	Landrace	Zhejiang Province
CB59	Hangzhoubaihuasijidou	Landrace	Zhejiang Province
CB60	Heizhenzhu	Landrace	Zhejiang Province
CB61	Honghuabaijia	Landrace	Zhejiang Province
CB62	Honghuaqingjia	Landrace	Zhejiang Province
CB63	Honghuasijidou	Landrace	Zhejiang Province
CB64	Hongjinyuanjiajingdou	Landrace	Zhejiang Province
CB65	Huazihonghuaqingjia	Landrace	Zhejiang Province
CB66	Jiamanjia	Landrace	Zhejiang Province
CB67	Jiadouwang	Landrace	Zhejiang Province
CB68	Jinlongwang	Landrace	Zhejiang Province
CB69	Jiulibai	Landrace	Zhejiang Province
CB70	Linansijidou	Landrace	Zhejiang Province
CB71	Lvlong	Landrace	Zhejiang Province
CB72	Maliyana	Landrace	Zhejiang Province
CB73	Manpenghong	Landrace	Zhejiang Province
CB74	Panansijidou	Landrace	Zhejiang Province
CB75	Wujinjiadouwang	Landrace	Zhejiang Province
CB76	Wujinlvdidou	Landrace	Zhejiang Province
CB77	Wujinlvjiadou	Landrace	Zhejiang Province
CB78	Wushuhezi	Landrace	Zhejiang Province
CB79	Wushuheizi	Landrace	Zhejiang Province
CB80	Xiaocunsijidou	Landrace	Zhejiang Province
CB81	Yidianhong	Landrace	Zhejiang Province
CB82	Yinmanjia	Landrace	Zhejiang Province
CB83	Yudouwang	Landrace	Zhejiang Province
CB84	Zheyun No.5	Cultivar	Zhejiang Province
CB85	Zhizu	Landrace	Zhejiang Province
CB86	Zheyun No.3	Cultivar	Zhejiang Province
CB87	PVR95	Landrace	Jilin Province
CB88	PVR96	Landrace	Jilin Province
