Supplementary Table 1   List of molecular markers used in blast resistance genotyping

Marker used	Gene	Chromosome number	Amplicon size (bp)	Reference
RM224	*Pi1*	11	157	Hittalmani *et al.* (2000)
AP56595#	*Pi2*	6	288	Fjellstrom *et al.* (2006)
Nmsmpi9	*Pi9*	6	168	Qu *et al.* (2006)
PikhMAS#	*Pi54*	11	216	Ramkumar *et al.* (2011)
YL155/87	*Pita*	12	1,042	Jia *et al.* (2002, 2004a)
RM166	*Pib*	2	321	Fjellstrom *et al.* (2004)
RM3475	*Pitp*	1	150	Barman *et al.* (2004)
RM72	*Pi33*	8	166	Berruyer *et al.* (2003)
RM5364	*Pi20*	12	148	Li *et al.* (2008)
RM19818	*Piz*	6	275	Zhou *et al.* (2006)
MSM6	*Pi40*	6	256	Rama Devi *et al.* (2013)
RM3605	*Pi38*	11	107	Gowda *et al.* (2006)

Allele specific marker

Supplementary Table 2   Gene diversity, major allele frequency and polymorphic information content of the SSR markers used

Marker	Chromosome number	Major allele frequency	Allele no.	GD	PIC
RM-1	1	0.0455	3	0.9545	0.9526
RM-292	1	0.5909	2	0.5579	0.4902
RM-3252	1	0.8636	2	0.2355	0.2078
RM-6073	1	0.6364	2	0.4628	0.3557
RM-8071	1	0.8636	2	0.2355	0.2027
RM-8145	1	0.6818	2	0.4339	0.3398
RM3475	1	0.8636	3	0.2355	0.2078
RM246	1	0.4091	2	0.657	0.5832
RM-1358	2	0.5455	2	0.4959	0.3729
RM-174	2	0.6364	2	0.4628	0.3557
RM-452	2	0.7273	2	0.3967	0.318
RM-530	2	0.5909	2	0.4835	0.3666
RM-5622	2	0.7727	2	0.4835	0.3666
RM-6942#	2	0.9091	2	0.3512	0.2896
RM166	2	0.9091	2	0.1653	0.1516
RM208	2	0.7273	2	0.1653	0.1516
0SR-13	3	0.5455	3	0.3967	0.318
RM-15827	3	0.5455	2	0.5826	0.5076
RM-3350	3	0.7273	2	0.4959	0.3729
RM-338	3	0.8636	2	0.3967	0.318
RM-3654	3	0.6364	2	0.2355	0.2078
RM-489	3	0.5	3	0.4628	0.3557
RM-514	3	0.8182	2	0.5744	0.4838
RM-7642	3	0.5	3	0.2975	0.2533
RM-124	4	0.7273	2	0.5744	0.4838
RM-307	4	0.5455	3	0.3967	0.318
RM-317	4	0.8636	2	0.5992	0.5324
RM-348	4	0.8182	2	0.2355	0.2078
RM-3708	4	0.4545	3	0.2975	0.2533
RM-5608	4	0.7273	2	0.6405	0.5669
RM-7472	4	0.8636	2	0.3967	0.318
RM-8213	4	0.7727	2	0.2355	0.2078
RM-161	5	0.8182	2	0.3512	0.2896
RM-18614	5	0.6364	2	0.2975	0.2533
RM-188	5	0.4545	3	0.4628	0.3557
RM-334	5	0.4545	3	0.6281	0.5511
RM-3486	5	0.5909	2	0.6281	0.5511
RM-507	5	0.8182	2	0.4835	0.3666
RM-538	5	0.8182	2	0.2975	0.2533
RM-6229	5	0.7727	2	0.2975	0.2533
RM-103	6	0.8182	2	0.3512	0.2896
RM-454	6	0.5455	2	0.2975	0.2533
RM-5371	6	0.7727	3	0.4959	0.3729
RM-7551	6	0.3636	2	0.3512	0.2896
AP56595	6	0.6818	3	0.6612	0.5868
Nmsmpi9	6	0.5909	3	0.4339	0.3398
RM19818	6	0.4091	2	0.5165	0.4222
MSM6	6	0.5909	2	0.6322	0.5541
RM-11	7	0.9091	2	0.4835	0.3666
RM-125	7	0.6364	2	0.1653	0.1516
RM-248	7	0.8636	3	0.4628	0.3557
RM-3755	7	0.4545	3	0.2355	0.2078
RM-455	7	0.6818	4	0.6074	0.5244
RM-500	7	0.5909	2	0.4752	0.416
RM-5499	7	0.6818	2	0.5826	0.5326
RM-5875	7	0.7727	3	0.4339	0.3398
RM-3383	8	0.6364	3	0.3512	0.2896
RM-408	8	0.4545	2	0.5248	0.466

Marker	Chromosome number	Major allele frequency	Allele no.	GD	PIC
RM-433	8	0.8636	3	0.6074	0.5244
RM-44	8	0.8182	2	0.2355	0.2078
RM-6976	8	0.8636	3	0.314	0.2918
RM-8264	8	0.7273	3	0.2355	0.2078
RM-8271	8	0.5455	2	0.4174	0.3603
RM72	8	0.6818	3	0.562	0.4762
RM-105	9	0.8182	3	0.4339	0.3398
RM-160	9	0.6818	3	0.314	0.2918
RM-215	9	0.5	3	0.4587	0.3873
RM-23788	9	0.5455	2	0.5413	0.4361
RM-316	9	0.9091	3	0.5331	0.4316
RM-6051	9	0.6364	2	0.1653	0.1516
RM-6460	9	0.6818	3	0.5289	0.4732
RM-7175	9	0.5455	3	0.4339	0.3398
RM-147	10	0.5455	3	0.5331	0.4316
RM-171	10	0.5	2	0.5331	0.4316
RM-2887	10	0.6364	2	0.5413	0.4361
RM-311	10	0.6818	2	0.4628	0.3557
RM-3882	10	0.6818	2	0.4339	0.3398
RM-4771	10	0.9091	4	0.4339	0.3398
RM-484	10	0.5909	2	0.1653	0.1516
RM-7492	10	0.7727	2	0.5826	0.5332
RM-27318	11	0.7273	2	0.3512	0.2896
RM-287	11	0.6818	3	0.3967	0.318
RM-3577	11	0.7727	2	0.4339	0.3398
RM-536	11	0.7727	2	0.3678	0.3257
RM-6272	11	0.8182	2	0.3512	0.2896
RM224	11	0.8182	2	0.2975	0.2533
Pikh Mas	11	0.7727	2	0.2975	0.2533
RM3605	11	0.9091	3	0.3512	0.2896
RM-512	12	0.4545	2	0.1653	0.1516
RM-5568	12	0.6818	2	0.6281	0.5511
RM-5746	12	0.8636	3	0.4339	0.3398
RM-6265	12	0.7273	2	0.2355	0.2078
RM-6296	12	0.8182	2	0.4174	0.3603
YL155/87	12	1	2	0.2975	0.2533
RM5364	12	0.8636	2	0.2355	0.2078
RM1337	12	0.9091	2	0.1653	0.1516
Average		0.688	2.54	0.4123	0.3462

GD, Genetic diversity; PIC, Polymorphic information content.