Table S1. List of markers used for blast resistance genes.

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| --- | --- | --- | --- | --- | --- |
| Chromosome | *Resistance* gene | Marker name | Primer sequence | | References |
| Forward | Reverse |
| 1 | *Pit* | tdDN | GGAAAAATAGAGTCAAACCGCC | CCTTTCGATGTTTTTTCTATATAAGC | [37] |
| 1 | *Pish* | RM6648 | GATCGATCATGGCCAGAGAG | ACAGCAGGTTGATGAGGACC | [38] |
| 2 | *Pib* | Pibdom | GAACAATGCCCAAACTTGAGA | GGGTCCACATGTCAGTGAGC | [28] |
| 11 | *Pi1* | RM224 | ATCGATCGATCTTCACGAGG | TGCTATAAAAGGCATTCGGG | [39] |
| 11 | *Pia* | Pia | GCGACTGACACTTTCAATAGC | CGGTAGAGCAATTTAGAAGCAG | [40] |
| 11 | *Pi54* | Pikh-1 | CAATCTCCAAAGTTTTCAGG | GCTTCAATCACTGCTAGACC | [41] |
| 12 | *Pita* | YL155/Yl187 | AGCAGGTTATAAGCTAGGCC | CTACCAACAAGTTCATCAAA | [42] |
| 6 | *Pi9* | Pi9 | GGAGAAAATACACCCGACATGTGACG | CGGCTCGAAAACGAACGTACCATT | [43] |
| 6 | *Pi2* | AP22 | GTGCATGAGTCCAGCTCAAA | GTGTACTCCCATGGCTGCTC | [44] |
| 11 | *Pikm* | Pik-m | CAGTAGCTGTGTCTCAGAACTATG | AAGGTACCTCTTTTCGGCCAG | [44] |
| 6 | *Pigm* | Pigm-4 | ATGCTCGATTCGTTACATTT | CGTCCCACACTTTCTTTTT | [45] |
| 9 | *Pi5* | Pi5 | ATAGATCATGCGCCCTCTTG | TCATACCCCATTCGGTCATT | [46] |
| 11 | *Pb1* | Pb1 | ATCAACGCTACCTTCCC | GTGCCATCACAATTTCTTC | [47] |
| 6 | *Piz-t* | Pizt | CAGCGATGGTATGAGCACAA | CGTTCCTATACTGCCACATCG | [48] |