

**Supplementary Table 1.** Sequencing of two common bean genes where Ba2\_B refer to the resistant group of the first gene (SA14F/R marker), whereas Ba10\_B refer to the susceptible group of the same gene. BF10\_FR refers to the second gene (SF10F/R marker) of common bean.

Marker	Accession number	Sequencing
SA14F/R (Ba2_B)	MT512396	GGATTTTCCAGTGTAACCAAATTAGGACATAGCCGAAAAA TGATAGTCAAATTGAAAAGAAGAGACACTATGGAAGAGGAG ACTAATTGGTACAGCTCTAATATGATGTTTTTAAAGAGAAAA ATAGATGCAAGAGATATTGAAACTGAGTACACAATATTTTCAG TGC GTTTTATATAGAGTTAATGAAACAAATACAAATAAATAT ACGAAATAATATTCCTATTCATATGATATGATTAGACCTATCA TTACAAAGATCTTGATTAAATATATTACAAAGTGGACTTTAAG CCTAACTCAACCCCATAAAACCGGCTCATAGAGTTGAGATTT GCACCCACTTATATACAATGAAAGACTCTAATCTCTAGTCGAT GTGGGATCTCCAACACACCCCCCTCACGCCGAGACTGCCAAC TCGTGCGTGAGACTATATATTATGGGTGATCCGATAGCGGGTG
		GCACGATAGGCCCAACACAAATACTCGCTAGGATAGACTCGA AATGGCTCTGATACCATATTACAAAGTGGACTTTAAGCCTAA CTCAACCCCATAAAAAATAAGAAAGCAAAAATCATAAAATA AAAAATATCATCTAGAATATTCTAAAATATTCTAAGATATATA AAAAATATCATGAGATATTTGTCAGATTTTCTAACAGCTACT CCAATGAGGCACTGGAATATGTACCAGTATATTTAGCATCC ACACATAAAGCTTAGACTTACTGGTCATGCTGCTTCTCAACCC AGACTTCCATCCATGAGGAAATTTGATTCTCTGCATAGATAAG ATCATGTGGAAGATTATCAAGTACCTACACAAAGTAAAGTAA TTGTTGTTAAATATCTAAATAACAATAACAATAATAAAAAAA ATCACCATTAATGAGAAGAAAACACCAGCAAAAGAAGATT TCTAGTCTGCAACATTGAATACCA
SA14F/R marker (Ba10_B)	MT512397	CATGGATTTTCCAGTGTAACCAAATTAGGACATAGCCGAA AAATGATAGTCAAATTGAAAAGAAGAGACACTATGGAAGAG GAGACTAATTGGTACAGCTCTAATATGATGTTTTTAAAGAGAA AAATAGATGCAAGAGATATTGAAACTGAGTACACAATATTTTC AGTGCGTTTTATATAGAGTTAATGAAACAAATACAAATAAAT ATACGAAATAATATTCCTATTCATATGATATGATTAGACCTAT CATTACAAAGATCTTGATTAAATATATTACAAAGTGGACTTTA AGCCTAACTCAACCCCATAAAACCGGCTCATAGAGTTGAGAT TTGCACCCACTTATATACAATGAAAGACTCTAATCTCTAGTCG ATGTGGGATCTCCAACACACCCCCCTCACGCCGAGACTGCCA ACTCGTGCGTGAGACTATATATTATGGGTGATCCGATAGCGG GTGGCACGATAGGCCCAACACAAATACTCGCTAGGATAGACT CGAAATGGCTCTGATACCATATTACAAAGTGGACTTTAAGCCT AACTCAACCCCATAAAAAATAAGAAAGCAAAAATCATAAAA TAAAAAATATCATCTAGAATATTCTAAAATATTCTAAGATATA TAAAAAATATCATGAGATATTTGTCAGATTTTCTAACAGCTA CTCCAATGAGGCACTGGAATATGTACCAGTATATTTAGCATC CACACATAAAGCTTAGACTTACTGGTCATGCTGCTTCTCAACC

SF10F/R marker (BF10_F R)	MT512398	CAGACTTCCATCCATGAGGAGATTTGATTCTCTGCATAGATAA GATCATGTGGAAGATTATCAAGTACCTACACAAAGTAAAGTA ATTGTTGTTATATATCTAAATAACAATAACAC
		GTTCAAAACAATTTAAATATATCTTAATAGTTTTTCCTGTGC TCCACCAACCACTCATCTAAGATCAAATCCAGTTCTTTGGCAG TTTCTTTCATGGCTTTCCTCCCAAATTCATCAATCTCAGAACA GGAACAGCATCAGCCACTGTGCACACCCCCTGTTAAGAAACT CTGATAACTGACACACTTTATTGAATAATAGAAAAGCTAATA TATAGCTGATTACATAAACTGACTATCCTAAAAACATAGCTAG AAAATAGGAATAATAAAGACTAAATCAAACCTGAATCCAAG TGCTATGCTAACAGCCCTATAAAATAGGACATTTATTCTAACA AACTAACCAAGTCAGAATTAACCATATCATTTCCCTCCCTTAAA CTAGACAGTATACTAGTTTAACTTAGGTGCATCACATACTCCA AGTTTCTTCCTAAGATGCTGAAATGTCTTCAACTTGAGAGGCT TAGTGAAAATGTCTGCTATCTGTTGTTCAAGTGCCACAAAACCT CAGTTGTACAGCTCCTTCATTCACCATATCACGTAGGAAATGG AACCTTACATCAATGTGCTTACTCTTTCCGTGCATCACAGGGT TTTTGGATA