ABSTRACT

Two hundred RAPD, 10-15 nucleotide primers were used to screen soybean bulks of 18 resistant and 18 susceptible samples. One hundred and sixty four RAPD primers out of 200 RAPD markers, 82% of total primers, produced clear bands with 12 DNA bands per primer. A total of 14 bands were obtained. No difference of RAPD DNA band pattern was observed between the two bulks. Eighty four AFLP primer combinations were also used to review polymorphism between soybean CM60 and SJ1 and resistant and susceptible bulks and 56 primer combinations 70.73% of total primer combinations, produced clear bands with 10-59 bands per primer pair. All together 2,008 bands or markers were obtained 36 primer combinations, 63.34% of total primer combinations showed polymorphism between soybean CM60 and SJ1, but no polymorphism between resistant and susceptible bulks was observed. More suitable markers spread over soybean genome should be used to tag gene and to map these quantitative trait loci weathering resistance in the future.