

Development of SCAR markers for assessing the hybrid purity

Male specific RAPD markers that could be used for hybrid purity assessment of GCH2 and GCH6 hybrids have been successfully converted into SCAR markers. These markers could be used now for the genetic purity assessment of these hybrids. Fig 1 and 2 show the testing of these SCAR markers with a few individual plants of the two hybrids and their parents.

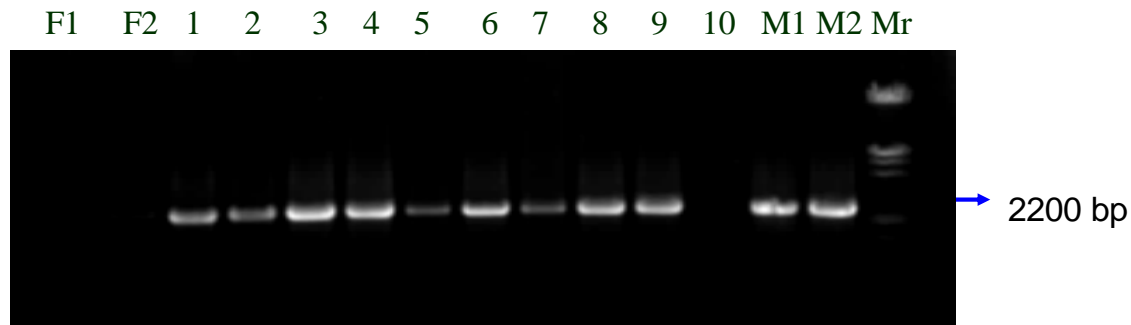


Fig 1: Genetic purity assessment of GCH2 hybrid using the dominant SCAR marker developed based on the RAPD marker identified with OPC-14 primer

F1= Female-1, F2= Female-2, 1-10= Hybrid individuals, M1= Male-1, M2= Male-2, Mr= λ Hind III EcoRI cut.

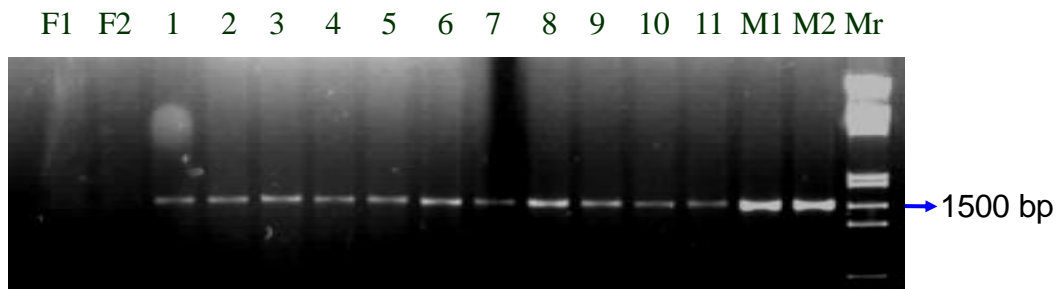


Fig 2: Genetic purity assessment of GCH6 hybrid using the dominant SCAR marker developed based on the RAPD marker identified with OPM-2 primer

F1= Female-1, F2= Female-2, 1-11= Hybrid individuals, M1= Male-1, M2= Male-2, Mr= λ Hind III EcoRI cut.