DEVELOPMENT AND CHARACTERIZATION OF MICROSATELLITES MARKERS FROM JUGLANS REGIA L.

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Simple Sequence Repeats (SSRs) were isolated from two microsatellites GA/GT enriched libraries from Persian walnut (Juglans regia L.). After screening, 10 selected microsatellites loci were characterized and evaluated on 36 accessions from National and International germplasm. All primers pairs produced an amplification product of the expected size and detected high polymorphism among the analysed samples. These SSR markers are expected to be an effective tool for performing MAS (Marker Assisted Selection) and saturating genetic maps.