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Genetic Diversity of some *Muscarineglectum*Collected in Central Area of Iran

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Abstract
The genus *Muscari* Mill. (Hyacinthaceae) includes about 50 species and they are garden and ornamental plants. *Muscarineglectum*species specifically distributed in central of Iran. Genetic diversity of 100 genotype of muscarineglectum, were examined using SCoT markers, 10 primers of SCoT markers showed sharp and appropriate repeatable bands. The primers produced between 10 to 23 bands. Totally the markers produced 164 amplification products, out of which 164 bands were polymorphic. The results showed that polymorphism information content (PIC) of primers was 0.246 (0.122<PIC< 0.378). Cluster analysis based on unweights Pair Group Method with Arithmetic mean (UPGMA) revealed genetic coefficient ranged from 0.22 to 0.84. Our result indicated wide range of genetic diversity across the studied accessions of *Muscarineglectum* in central region of Iran.

Keywords: Bulb flower, Flowering, Muscari

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