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'HWHUPLQDWLRQ RI JHQHV LQYROYHG LQ OLJQL¿FDWLRQ RI SRPH

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Pomegranate (Punica granatum L.) is one of the oldest known edible fruit tree species, originating in Central Asia but with a wide geographical global distribution. Besides using pomegranate as raw fruit, it has been used as herbal remedy. In consumption o pomegranate so -hard seededness is very important. So seededness arises in a reduction of lignin. Lignin topochemistry has ultra-structural aspects and ligni cation results from the enzyme mediated polymerization. Also lignin has three di erent monomers (coniferyl alcohol, sinapyl alcohol and p-coumaryl alcohol) are synthesized in the cytoplasm. Aim of the present study is to determine initiation time of ligni cation a er pollination and genes involved in ligni cation mechanism in so and hard seeded pomegranates

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