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Screening tomato lines for resistance to tomato yellow leaf curl virus

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Tomato (*Solanum lycopersicum* L.) is one of the most economically important vegetable in Turkey and World. Tomato yellow leaf curl virus (TYLCV) is one of the diseases which cause significant economic losses ranging from 85% to 100% depending on the severity of the infection in the greenhouse tomato production. TYLCV is transmitted by whiteflies (*Bemisia tabaci*). The use of resistant varieties is the most efficient and environmental method in TYLCV management. In this study, tomato lines were tested with molecular methods against TYLCV. 60 tomato genotypes were tested for Ty-1 and Ty-3 in molecular test. JB1 (Ty-1) and P6-25 (Ty-3) markers were used in molecular tests and 15 cocktail cheery types, 10 beef types and 25 the single harvest types of a total of 50 resistant lines have been determined.

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