

Research & Services | BonTom Lab - Molecular Markers Serving Breeders and Seed Producers (Yisum)

code: 8-2009-2223

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Categories

Molecular markers, tomato DNA genotyping, PCR, breeding assistance, horticulture

Objective/function

The BonTom Lab develops original molecular markers and routinely performs tomato DNA genotyping for enhanced-tomato breeding; seed production pre- and post-control; population studies

Service provided

- The BonTom Lab is capable of genotyping thousands of tests per day
- DNA extraction

Available markers:

• TM2a, (tobacco mosaic virus, race 2a)	• MI, (root knot nematode)
• Fusarium oxysporum f. sp. lycopersici - races 2 and 3	• py-1 [Corky root (Pyrenochaeta lycopersici)].
• TSWV (tomato spotted wilt virus)	• TY-1, (tomato yellow leaf curl virus)
• TY-3, (tomato yellow leaf curl virus)	• PTO (Pseudomonas syringae p.v tomato)
• RIN (tomato ripening-inhibitor)	• SP (self pruning)
• Verticillium dahliae - race 1	• CF-23 (Cladosporium fulvum race 23)

Advantages

Co-designed by BonTom Research Group and DYN R&D Ltd, (a subsidiary of DYN Diagnostic Ltd.), the BonTom Lab leverages [DYN RT-PCR platforms](#) for fast, accurate, versatile, sensitive and high-throughput tomato genotyping to ensure reliable, valid, real-time results in the service of breeders and seed producers

Client service record

- Our clients are leading Israeli and multinational seed companies
- The BonTom Lab has performed more than 100,000 assays in the last two years

Available equipment

- Equipment for large-scale DNA extraction
- Advanced RT-PCR systems equipped with ready-to-use multi-well plates 96/384

Homepage <http://www.bontom.ac/>

<http://www.dyn.co.il/Dev2Go.web?id=222837>

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