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Local Citrus Genetic Resources and Their Polymeth Content in Northern Part of Okinawa Island

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The Okinawa Islands have many wild and locally cultivated citrus g
belonging to the mandarin group. However, these have decreased in

essential, therefore, to explore the northern part of Okinawa Island these citrus germplasm to ensure the availability of these fruit for future of our exploration, we collected 30 local citrus genetic resources including monoembryonic *Citrus tachibana* (Makino) Tanaka var. *attenuata* Hayata (Shiikuwasha), and introduced and cultivated varieties; each different phenotypes. We thus were able to study the phenotype details of these citrus germplasms. Since polymethoxyflavonoids (PMFs) have been studied as a functional component in *Citrus*, we analyzed of our all. As a result, we categorized the samples into 3 groups according to 1) 'Shiikuwasha', '*C. keraji* hort. ex Tanaka (Kabuchii)', and others, hort. ex. Yu Tanaka and *C. nobilis* Lour. The 'Shiikuwasha' and 'Ishikunibu' contained high amounts of PMFs. *C. taro* hort. ex Yu Tanaka 'Kabuchii' group. *Citrus tachibana* (Makino) Tanaka var. *attenuata* (var. Ishikunibu) were included in the 'Shiikuwasha' group because of their constituents, despite having lower amounts of total PMFs than other 'Shiikuwasha' group.

Key Words: [exploration](#), [mandarin](#), [preservation](#), [Shiikuwasha](#), [T](#)

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