

NRGene, Toyota to enhance strawberries production in Japan

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The combination of NRGene's assembly of the strawberry genome and Toyota's GRAS-Di DNA analysis technology will enhance the development of natural strawberry varieties better suited to the Japanese market.

NRGene's DeNovoMAGIC 3.0 genomic big-data artificial intelligence (AI) tool is being used to develop the first high-quality, comprehensive genome assemblies of complicated food genomes, including wheat, potato, and shrimp.

Strawberries have one of the most complex genomes ever assembled, as they encompass eight copies of every gene (by comparison, humans have just two copies). Assembling the strawberry genome could increase natural breeding efficiency and lead to the development of more productive varieties.