

Toyota develops DNA analysis technology to increase biofuel yields

Toyota Motor Corporation (TMC) announces that it has developed a new deoxyribonucleic acid (DNA) analysis technology called Genotyping by Random Amplicon Sequencing (GRAS)... capable of dramatically improving the efficiency of identifying and selecting useful genetic information for agricultural plant improvement. This newly developed technology should lead to substantial time and cost savings in the agricultural plant improvement process.

TMC is involved in a wide range of initiatives in order to help achieve a sustainable society. In addition to improving the fuel efficiency of its vehicles to help prevent global warming and to also enhance energy security; TMC is also supporting various bio-technology businesses... TMC is also developing a technology that would help to increase the yield of sugar-cane as an alternative biofuel source.

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...GRAS is capable of analyzing DNA in about one-tenth the time needed, and at around one-third the cost of conventional techniques that are being utilized. This is a promising technology that has the potential to boost sugar-cane production, and to increase biofuel crop yields per unit area of land.

In addition to increasing biofuel crop yields, TMC believes that this new technology can... be used to help increase the production and the disease resistance of food crops...

The GLP aggregated and excerpted this blog/article to reflect the diversity of news, opinion and analysis. Read full, original post: [Toyota develops a new DNA analysis technology to dramatically accelerate improvements in agricultural production](#)