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## **Publication of KeyGene's CRoPS™ technology**

Keygene N.V. today announced the publication of its proprietary Complexity Reduction of Polymorphic Sequences (CRoPS™) technology in the November 15th issue of PLoS ONE. The paper describes the application of CRoPS for SNP discovery in maize using the Roche Genome Sequencer 20 platform and validation of a number of discovered SNPs using KeyGene's proprietary SNPWave® technology. The paper also describes KeyGene's SeqTag protocol, a broadly applicable flexible 'DNA barcoding' method that allows combining multiple samples in a GS20 / FLX sequencing run without the need for physically separating them.

KeyGene developed the CRoPS technology to address the need for genetic markers for application in plant breeding by taking advantage of its AFLP® technology to generate genome representations in a robust manner. By sequencing such representations from multiple samples using the Roche GS20 or FLX platform and aligning resulting sequences, large numbers of SNP sequences can typically be found. The technology is currently being used for SNP and SSR discovery in several different vegetable and field crops.

### **About KeyGene**

*Keygene N.V. ([www.keygene.com](http://www.keygene.com)) is a R&D company with the mission to be the leading company in developing and applying DNA expertise in the field of molecular genetics. KeyGene has developed a strong proprietary technology platform based on AFLP®, a DNA marker technology for genome analysis, transcript profiling and genetic analysis. For diagnostic purposes, SNPWave® a multiplexed SNP detection technology was developed. KeyGene exploits its proprietary technologies, databases and know-how through contract research and products for applications in the Life Sciences industry and more specifically in innovative breeding applications such as Breeding by Design™, CRoPS™ and KeyPoint™. KeyGene's five shareholder companies De Ruiter Seeds, ENZA Zaden, Rijk Zwaan, Vilmorin & Cie and Takii & Co. are major vegetable seed companies. KeyGene has around 120 researchers and staff.*

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