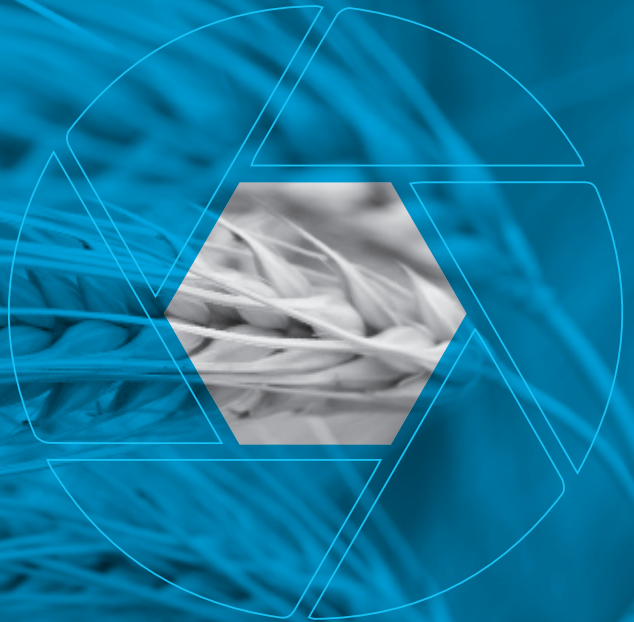


NRGene

WE DELIVER GENOMES



THE ONLY COMPLETE SOLUTION FOR POPULATION GENOMICS AND LARGE-SCALE NEXT GENERATION BREEDING

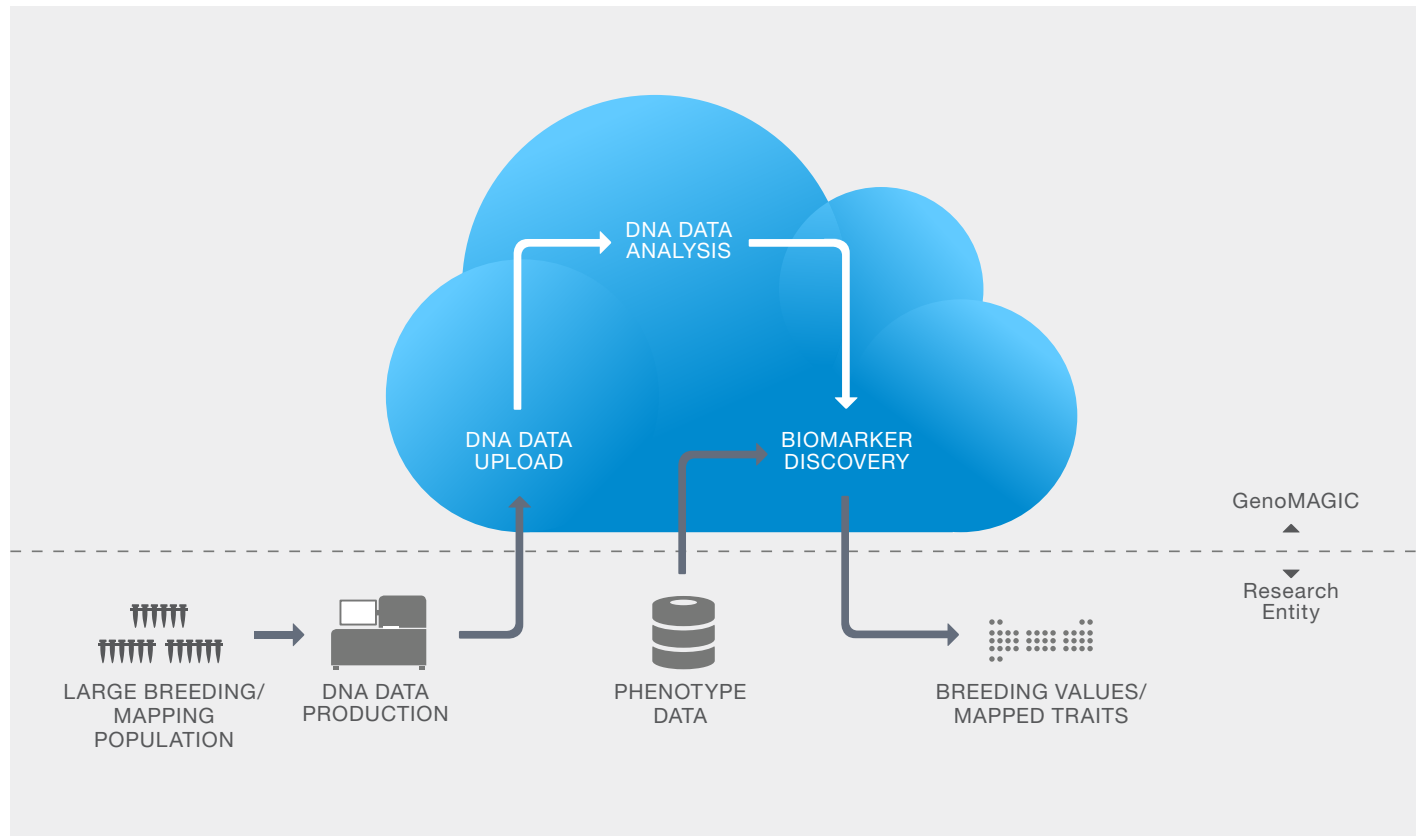
GenoMAGIC™ analyzes complex genomic data and translates it into accessible, straightforward information.

GenoMAGIC™, NRGene's advanced multi-purpose breeding platform, is a cloud-based solution for managing the full genomic diversity across a species. The platform is fully scalable and can be used for a single crop or multiple crops through construction of haplotyping and polymorphism databases specific to a species of interest. It's available for both commercial and academic users as a full computational platform.

The volumes of data that can be accessed through the system is potentially unlimited. Easily sync publicly available data as well as legacy data. It all becomes quickly accessible via a dedicated graphical user interface, for visualization and data queries, and **GenoMAGIC's** API which enables you to work with advanced bioinformatics teams and collaborators to integrate the data into existing pipelines.

- Associates all genomic and phenotypic data specific to a species for large-scale analyses
- Innovates plant and animal research with a queryable DB of genomic features
- Cost-effective on data production, software development, hardware & IT
- Accelerates your breeding capabilities with efficient haplotyping and data analysis
- Get full service with platform customization specific to your needs

AN EXTENSIVE, YET SIMPLE, TOOL FOR ANALYZING, STORING AND MINING UNLIMITED VOLUMES OF GENOMIC DATA



GenoMAGIC™ delivers dramatic simplification of the most challenging & desirable applications:

Reveal Genomic Diversity

- Broad genomic diversity elucidation (SNPs, InDels, SVs)
- Calculate haplotypes
- Identify gene PAVs & CNVs
- Target designs for genome editing

Exploit Genomic Diversity with (genotype-phenotype correlations):

- Genome Wide Association Studies (GWAS)
- Genomic selection
- Complex trait mapping
- Trait & gene discovery

For further information
please visit our website:
www.nrgene.com

©2017 Energin .R Technologies 2009 Ltd. (NRGENE)
5 Golda Meir St. 4th Floor, Ness Ziona, Israel 7403649
Tel: +972.72.220.3750 | Fax: +972.8.648.9897 | Email: info@nrgene.com

NRGene

The information provided in this brochure is presented in good faith and believed to be correct, however NRGene makes no representations or warranties as to the completeness or accuracy of the information, and to the fullest extent allowable by existing law, NRGene disclaims all other warranties, either expressed or implied, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose, and non-infringement, with respect to the information contained herein and with respect to NRGene's products and services. Further, NRGene disclaims any obligation or commitment to update or revise the information provided herein to reflect new information or other developments. The trademarks included herein are the property of the owners thereof and are used for reference purposes only. Such use should not be construed as an endorsement of the products or services of NRGene.