



TREE

Turnkey Real-time End-to-End Genomic Pipeline & Parentage Verification/Determination Service

- **Automated import of raw genotype data from external servers.**
- **Automatic processing of:**
 - both Illumina and Affymetrix genotype files;
 - all chip densities;
 - changes to SNP maps;
- **Automated quality control and report generation for:**
 - “genotype sex” – sex determination and validation;
 - parentage verification against a pedigree;
 - genotype call rate;
 - percentage of AA/AB/BB calls (lab errors);
 - multiple genotypes from the same animal.
- **Imputation of genotypes to a higher density for single step, if desired.**
- **Flexible coupling to a single step evaluation system, if desired.**
- **Web interface for real-time parentage verification & determination.**
- **Custom report generation/feature development as requested.**
- **Access to raw data if/when needed.**
- **Regular and secure cloud-based backups of all data.**
- **Simple per genotype fee with no setup cost.**

We strive for automated turnkey genotype processing, genetic and genomic evaluation, and reporting systems.

Contact: support@ThetaSolutionsLLC.com