

ENVIRONMENTAL eDNA ASSAY DEVELOPMENT AND TESTING

- Experience with Soil, Water, Dust and particulate, compost and other industrial waste samples

DNA GENOTYPING SERVICES

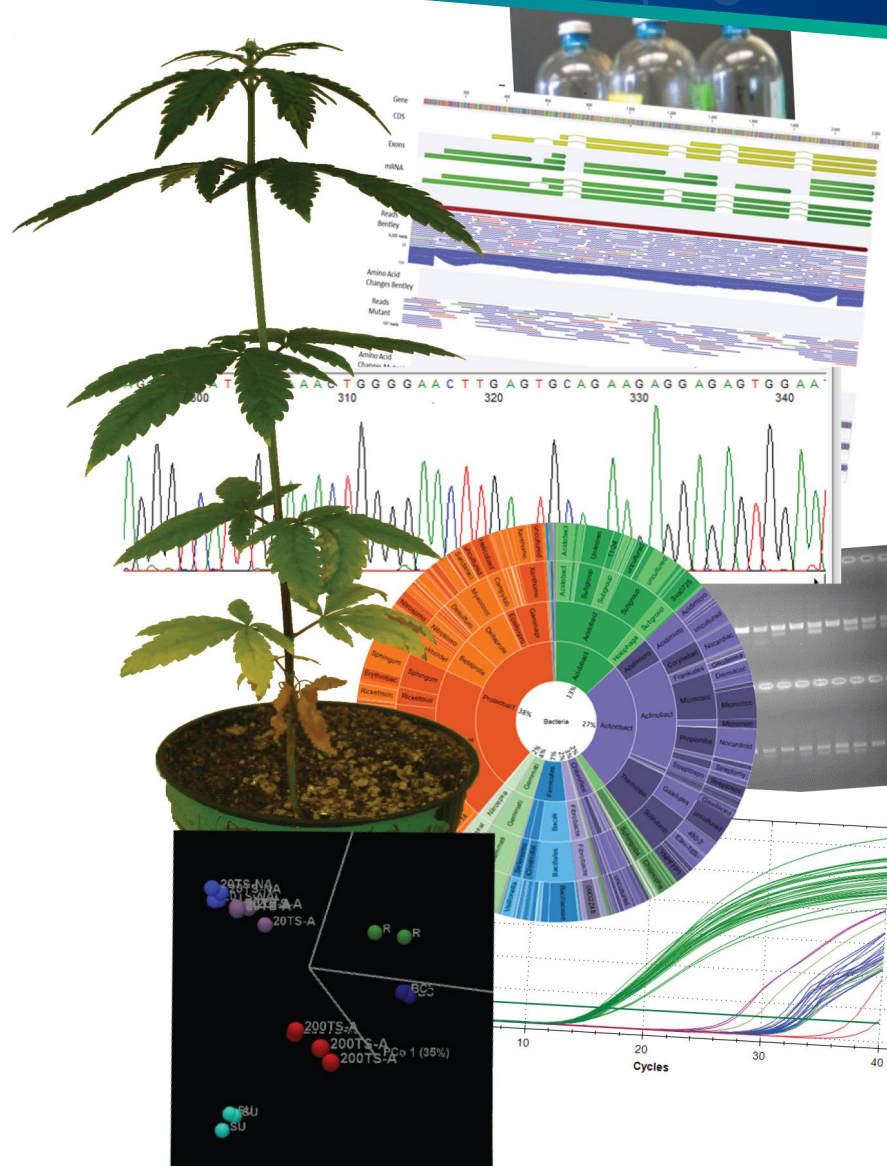
- Experience with difficult samples such as pine, aspen, spruce, maple, blackleg fungus, fish, hemp and cannabis.
- Oxford Nanopore high throughput sequencing. Low and medium throughput (Sangar) sequencing upon request.
- Design, analysis, and interpretation of high-throughput/NextGen sequencing projects
- Agri and Aqua culture genotype testing available
- KASP, PCR, qrtPCR, Microsatellite, SNP, and whole genome sequencing
- Customized solutions for genotyping services

16S/ITS/AMPLICON METAGENOMICS SERVICES

- Single culture and community identification
- Experience with soil, water, dust, and waste samples

PLANT GENOMICS ANALYSIS

- Genome assembly and comparisons
- Gene and mutation identification



InnoTech Alberta, a subsidiary of Alberta Innovates, provides applied research services to industry, entrepreneurs and the public sector. Our leading-edge expertise and industrial-scale R&D facilities accelerate and de-risk technology development and deployment for our clients with a focus on industrial solutions and commercial applications.

Visit us at: InnoTechAlberta.ca

**FOR MORE INFORMATION,
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PLANT TRANSCRIPTOMIC ANALYSIS

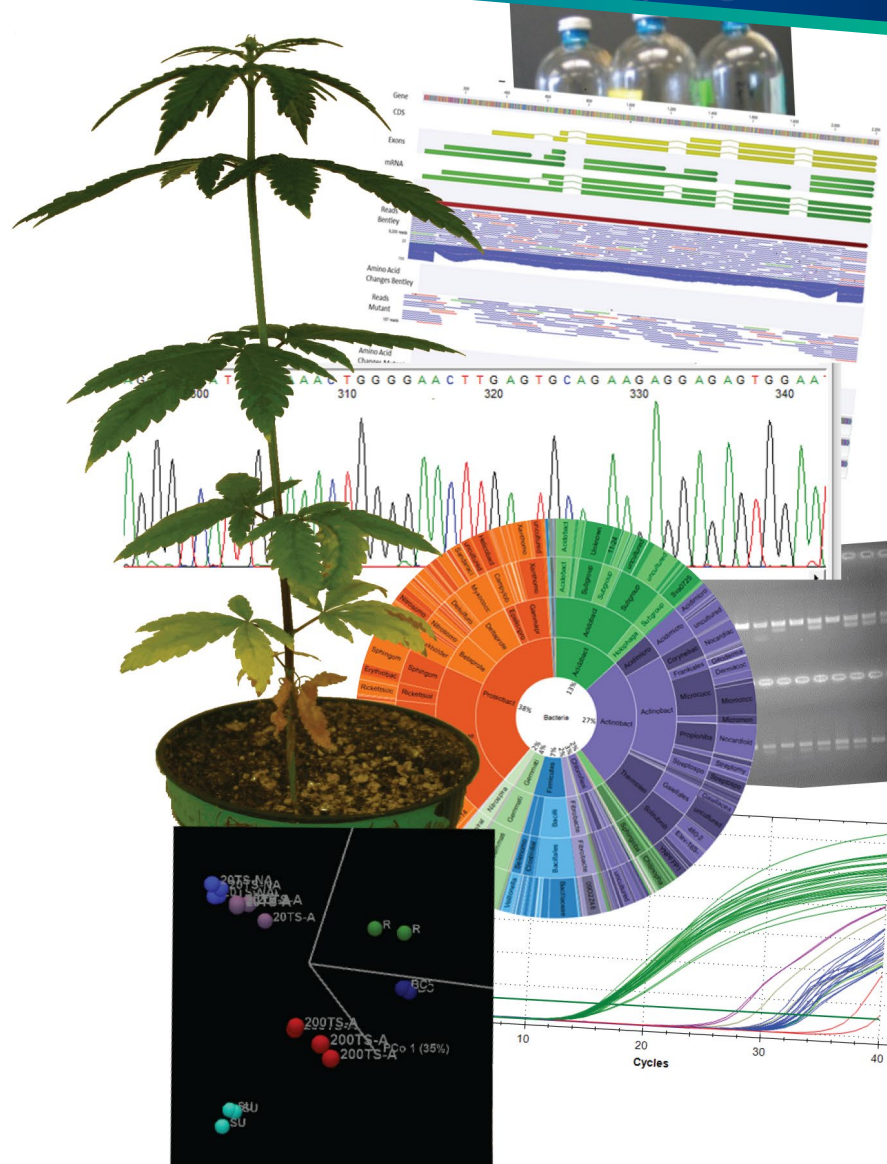
- Experience in RNA gene expression analysis of Canola, Barley, Hemp, Blackleg, and environmental samples (metatranscriptomics)

qPCR ASSAY DEVELOPMENT AND TESTING

- Single gene expression testing for mutation (SNP)
- Varietal or species identification
- Gene expression assays

METAGENOMIC ANALYSES

- Community analyses of diverse matrices and environmental samples, e.g. water, biofilms, soils, oil/gas core, dust samples



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