



Project Support

A virtual company needed proof-of-principle findings on a molecular diagnosis for funding consideration.

Client's Challenge:

Attempted to demonstrate the proficiency and reproducibility of a prototype device on patient sample monitoring, however, did not have adequate experience and suitable laboratory equipment to characterize the samples.

ACGT, Inc.'s Solution:

Provided scientific expertise in designing and validating appropriate SNP analysis on certain gene markers of interest. Conducted DNA extraction, SNP analysis, and provided analyzed results to client for sample profiling.

Outcome:

The customized project support activity assisted the client to correlate its diagnostic findings with genetic traits under a tight budgetary limitation.

A nonprofit organization required ancestry analysis of its members using microsatellite genotyping.

Client's Challenge:

Attempted to establish testing program with limited internal molecular biology expertise and no suitable laboratory equipment.

ACGT, Inc.'s Solution:

Provided scientific expertise in designing cost effective sample evaluation scheme and efficient study protocol to process the huge number of repository samples in an affordable manner.

Outcome:

Client was able to initiate building a database for ancestry analysis. Avoided the 6 -8 months lead time and carrying costs required to develop internal competency.

A large pharmaceutical company needed to evaluate thousands of peripheral blood samples for pharmacogenomic analysis of an anti-cancer drug in Phase III clinical trial.

Client's Request:

Acquired quantitative sequencing information of a gene product with genetic instability under an aggressive schedule in order to quickly assess the clinical study plan.

ACGT, Inc.'s Solution:

Rapidly established the test condition for quantitation of the gene product of interest. Extracted RNA, performed RT-PCR, and conducted sequencing analysis thoroughly. Completed the project in eight weeks time.

Outcome:

Rapid data availability helped client to assess the direction of clinical study and the possibility of new indications. Client incorporated findings into future development programs.

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