



Customized DNA Database Project

THE CHALLENGE: **The BioProcess Institute** was asked to analyze complicated DNA base pair data and then present that analysis in a comprehensive and comparative manner.

OUR SOLUTION: Expert programmers at BPI were able to create a customized, one-of-a-kind computerized tool which takes raw data and generates standard curves. Our analysts were then able to evaluate sample data against these curves and calculate their errors to a nonlinear curve fit.

A variety of statistical analyses were performed across multiple lanes using known standard base pairs and the new sample data. The results were calculated by our unique program and displayed numerically as well as graphically.

The client was provided with a summary of the findings, the customized analysis program, and – most importantly - a very detailed “User’s Manual” to help guide them as they analyze more DNA base pair data moving forward.

With the aid of this unique tool and user’s manual, a subject matter expert can now more easily evaluate samples today and in the future.



THE RESULTS: The final deliverable to the client included a Microsoft Excel based program which can now be used by the client to continue their base pair analysis independently and without the constant aid of **The BioProcess Institute**. As always, our goal is not countless billable hours. Our goal is to provide our clients with the value-added product or service they require because we believe our work is about the client, not about us.

For more information on testing and analysis or marketing claim support, please contact:

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