MUTATION Surveyor®

DNA Variant Analysis Software
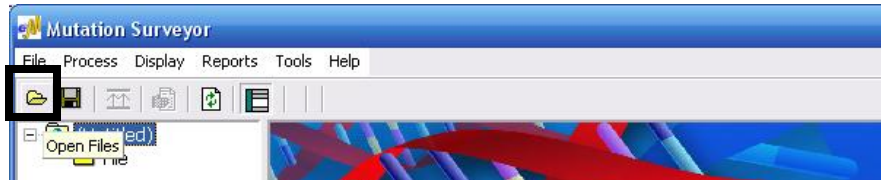
Quick Start Guide

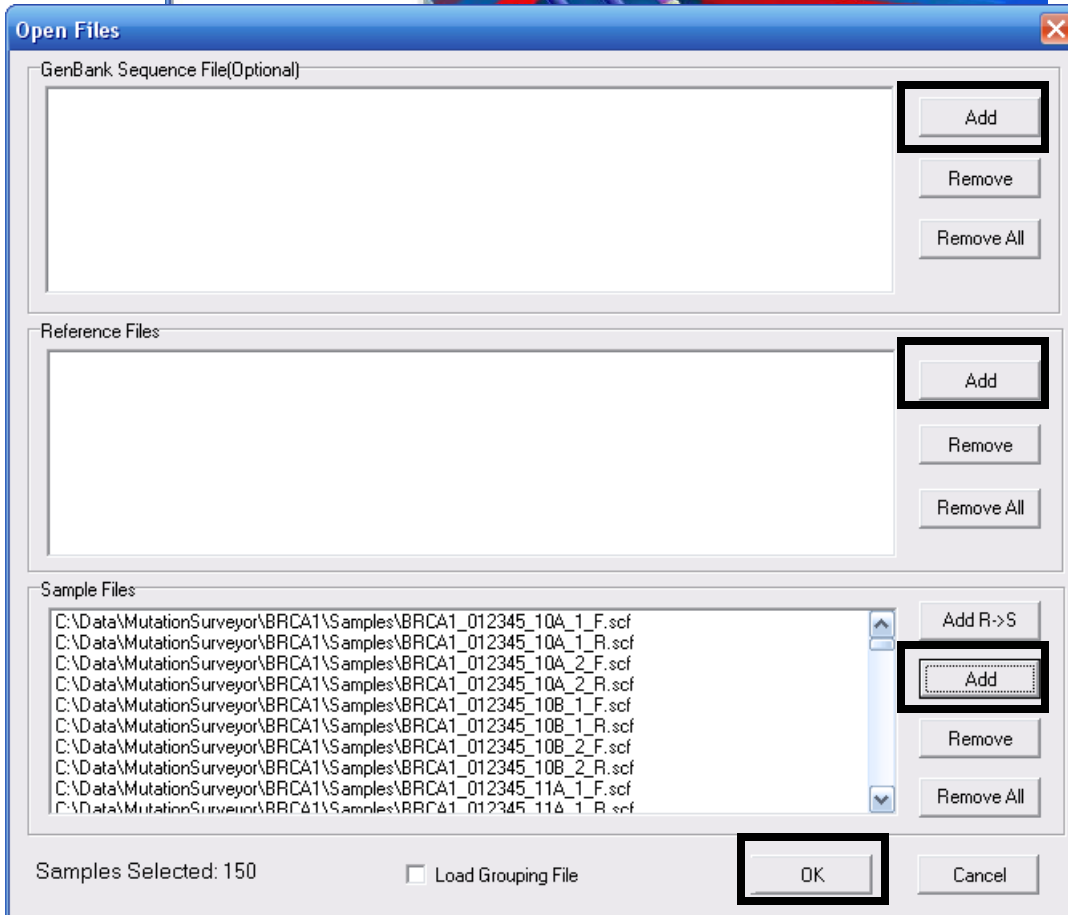## SOFTGENETICS®

Software PowerTools for Genetic Analysis

www.softgenetics.com / info@softgenetics.com

Upload Data

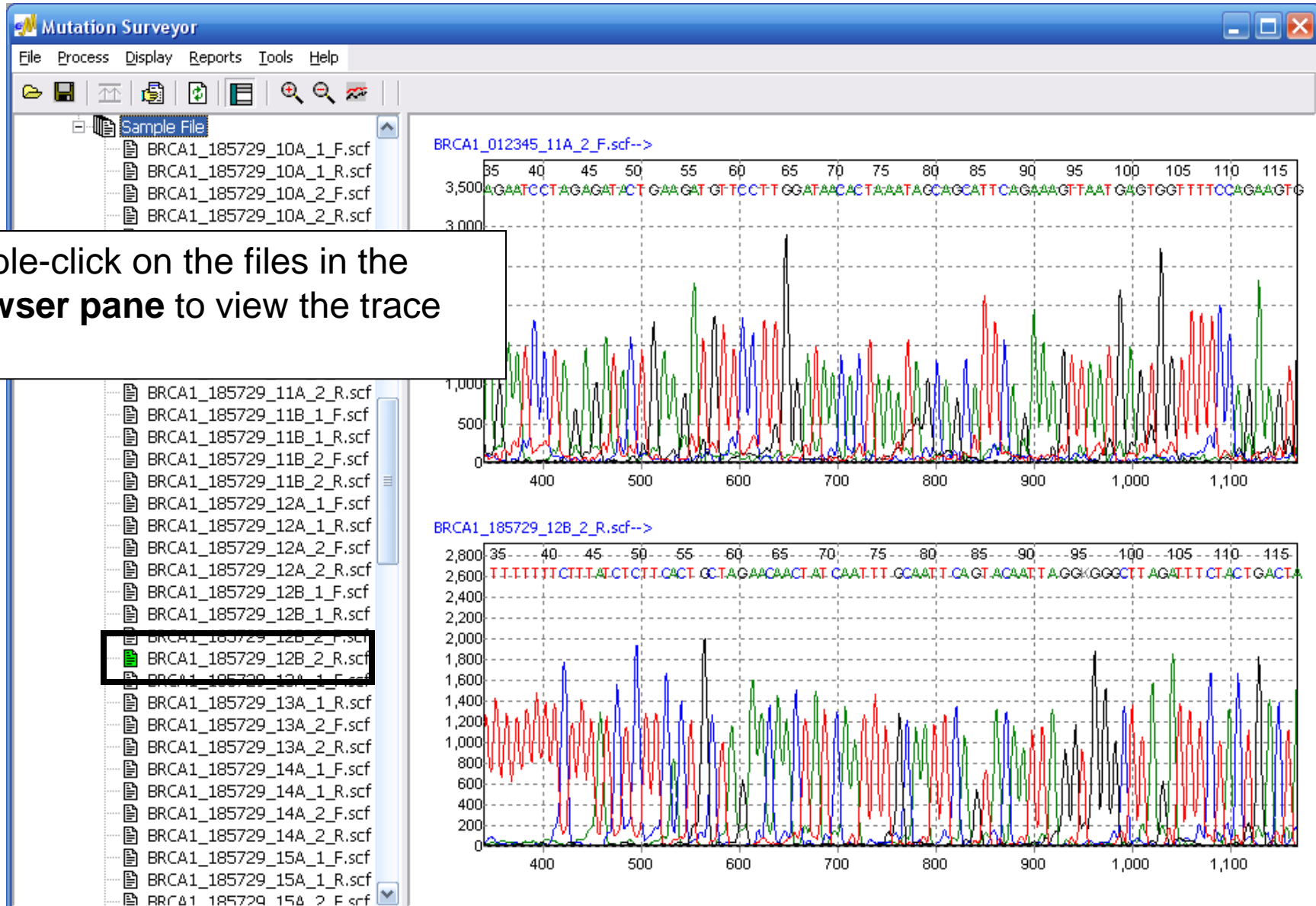|	
	Click **Open Files** icon in main toolbar

Add GenBank Files (GBK/SEQ) and/or
Reference Files (SCF/AB1/ABI)

NOTE: Both GenBank and Reference files are optional when sequences map to genes of *Homo sapiens*.
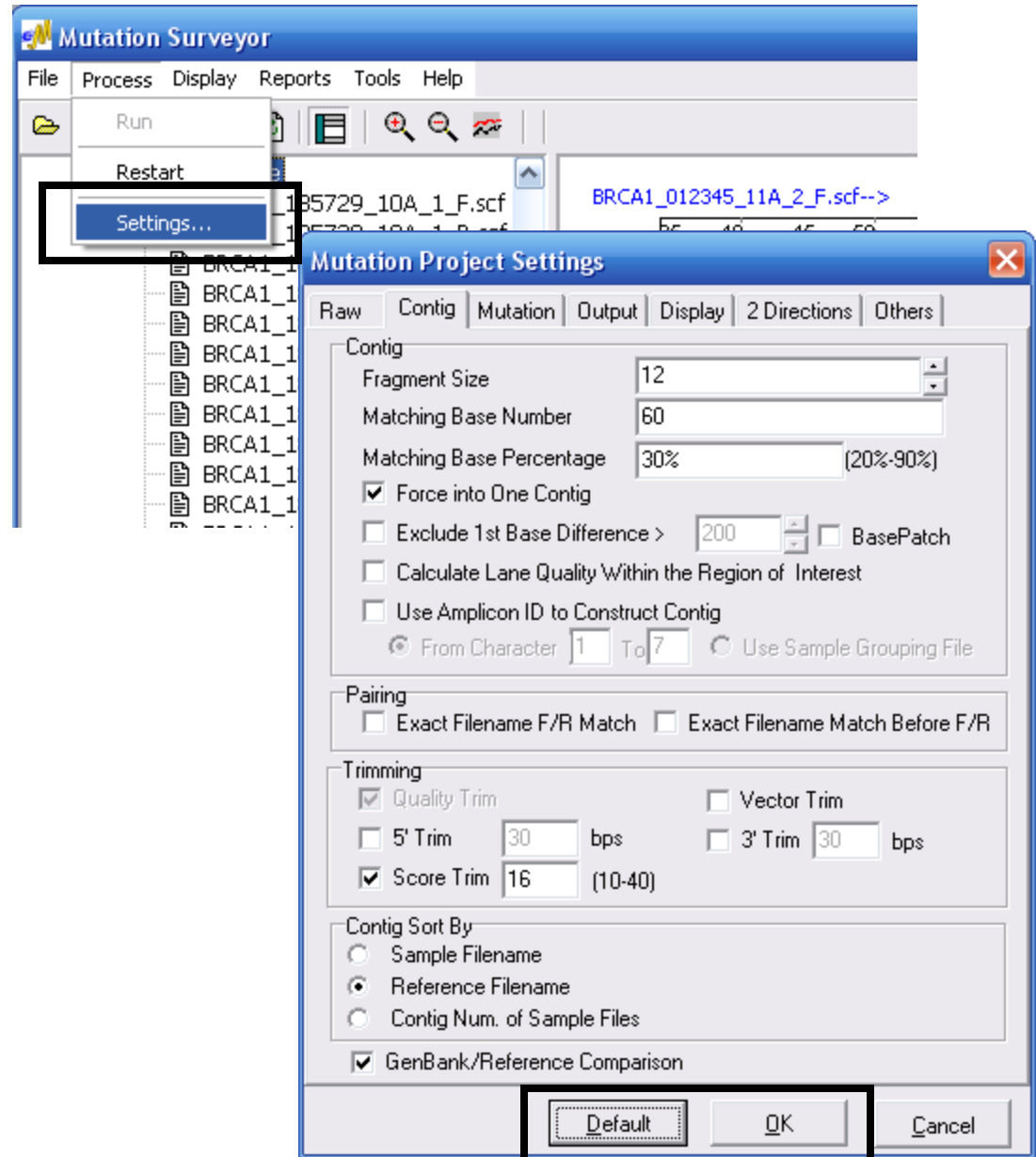
Add Sample Files (SCF/AB1/ABI)

Click **OK**

Review Raw Data

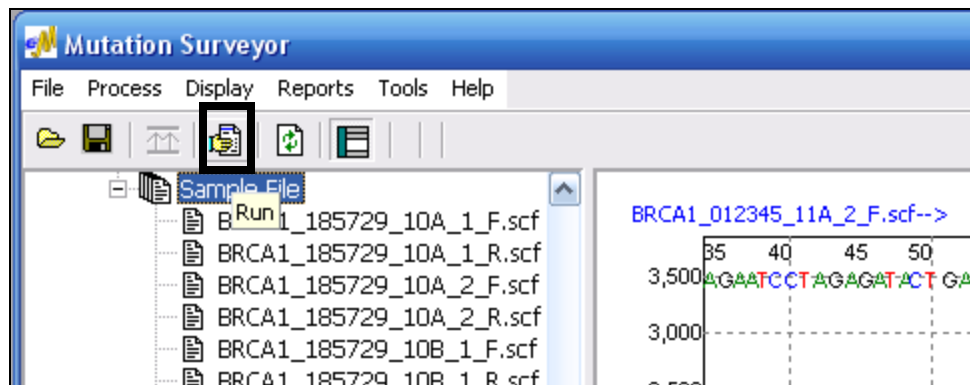Double-click on the files in the **Browser pane** to view the trace data

Analysis Settings

In the main toolbar select
Process → Settings…

For first run analysis
click **Default** then **OK**

Analyze Your Data!

Click **Run** icon in main toolbar.

You samples will be compared to references

The first window to appear is the **Mutation Report**

Browser Pane

Mutation Report

Graphical Analysis Display

By double-clicking a mutation cell in the **Mutation Report**, the **Graphical Analysis Display (GAD)** window appears
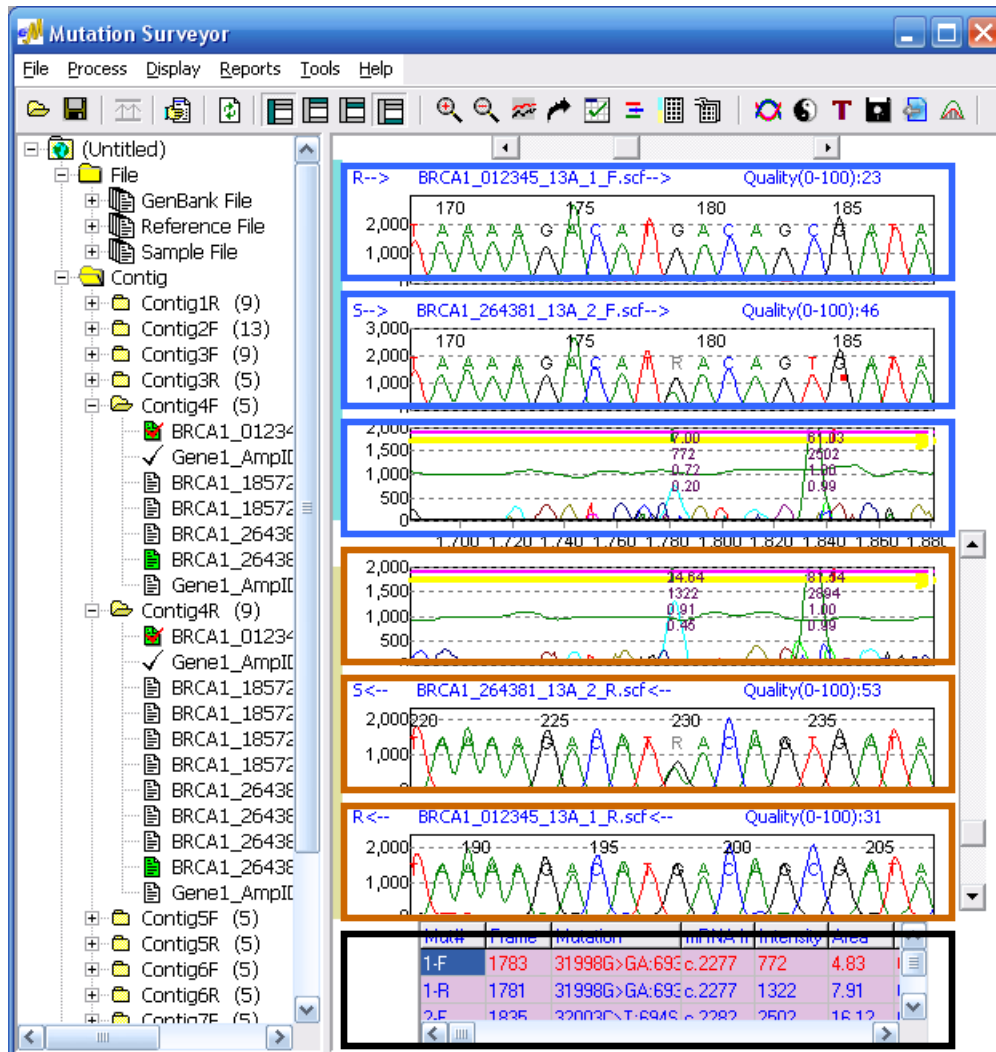
Forward Reference Trace

Forward Sample Trace

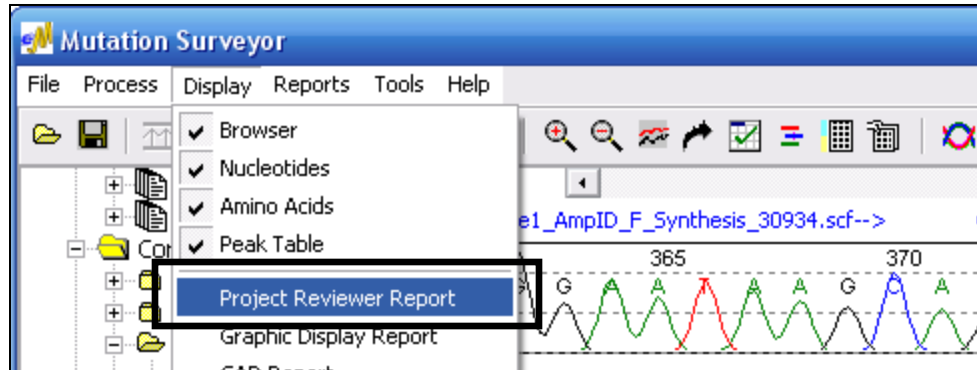Forward Comparison

Reverse Comparison

Reverse Sample Trace

Reverse Reference Trace

Mutation Table

Custom Report Builder

Click **Custom Report Builder** icon in main toolbar.

Default settings will group samples by Contig and pair Forward and Reverse samples.
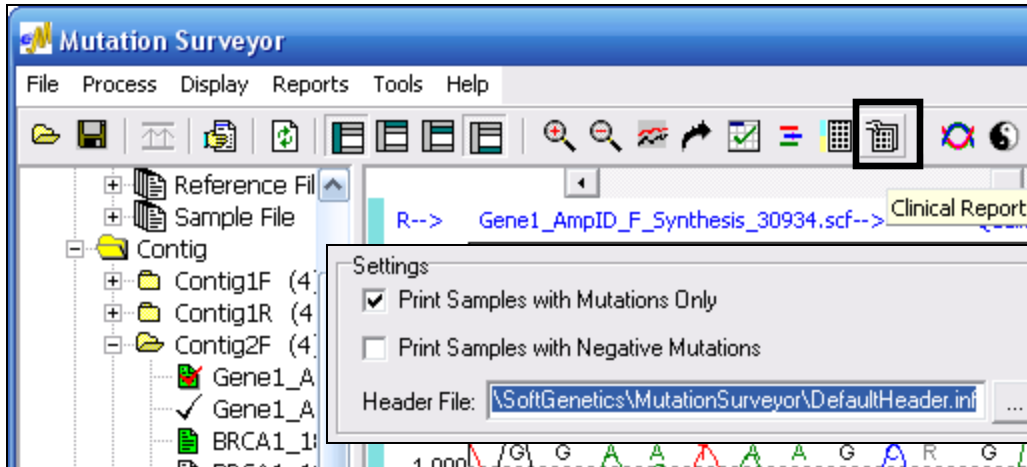
Project Reviewer

Click **Display** menu in main toolbar and choose **Project Reviewer Report**.

Show All Contigs simultaneously, group traces by Sample ID, view information in many ways.

Print Clinical Report

Click **Clinical Report** icon in main toolbar.

Add a Custom **Header File**

View and print a snapshot of each mutation call