

Aligning banks of tracks in GeneTools for high throughput gels and E-Gels

Introduction

The E-Gel electrophoresis system is a system which does not require buffer for agarose gel electrophoresis of DNA samples. E-Gels are available in a variety of agarose percentages, well formats (48 and 96 well) and throughput capacities to suit specific applications.

E-Gels are suitable for analyzing multiple samples such as PCR products, Restriction digests, RT-PCR reactions, library screening and SNP analysis.

High throughput gels often involve the use of multilayers within gels and are commonly used for fingerprinting and genotyping screening.

Aligning banks of tracks is particularly useful for high throughput samples and is automatically selected when you lock a high throughput gel sample. This can be deselected if preferred.

Aligning banks of tracks in Genetools.

Using GeneTools software it is now easy to analyse any gel, even if the tracks are running horizontally from left to right or vice versa. Simply open the gel in GeneTools, and select the direction of electrophoresis in the sample properties window.

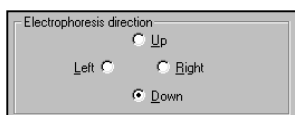


Figure 1- Setting electrophoresis direction

Once GeneTools has automatically located the tracks, simply click on the View menu and select the 'Align banks of tracks' option.



Figure 2- Selecting 'Align banks of tracks' from the View menu

The tracks will be aligned vertically on the left-hand side of the window (Figure 3)

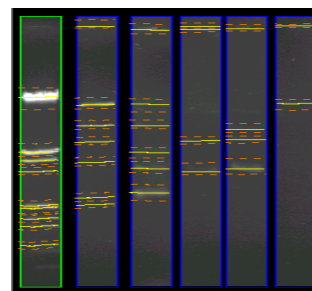


Figure 3- Image pane showing Aligned banks of tracks

When aligned banks of tracks view is on, the only way to unlock the tracks is to press the 'position all' button or choose 'position all' from the track menu.

To switch between viewing the original gel image with tracks marked on the image display or display the tracks in aligned banks in the image pane, unlock all tracks.

Conclusions

Aligning banks of tracks in GeneTools makes it much easier to perform gel analysis and view the track data.

Syngene reserves the right to amend or change specifications without prior notice. This Application Note supersedes all earlier versions.

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