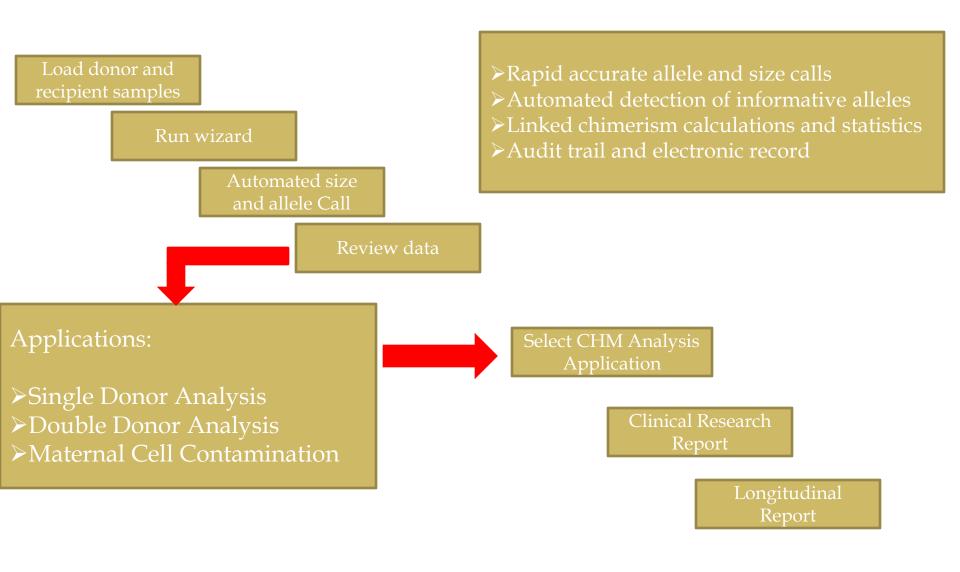


ChimeRMarker

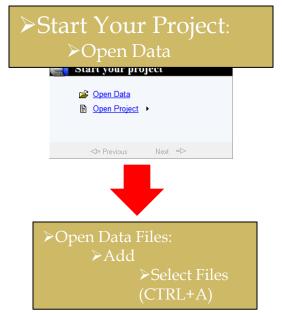
Quick Start Guide

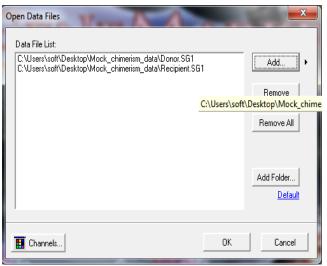


ChimeRMarker Workflow

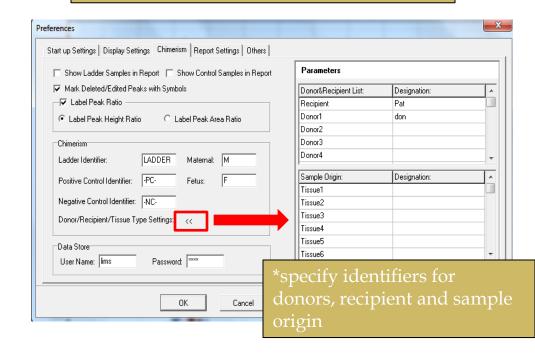


Loading Data and Specifying Identifiers

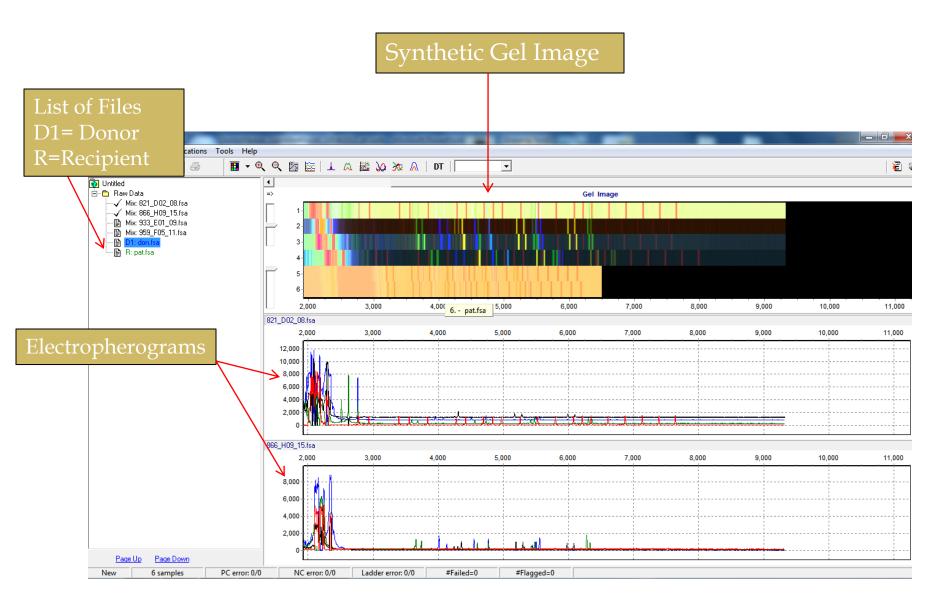




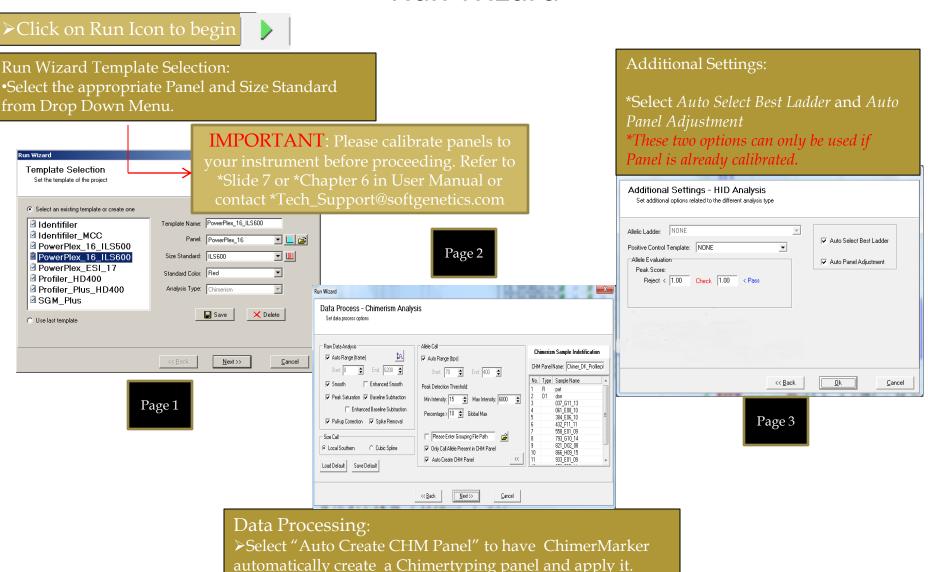
View->Preference-> Chimerism



Raw Data Screen



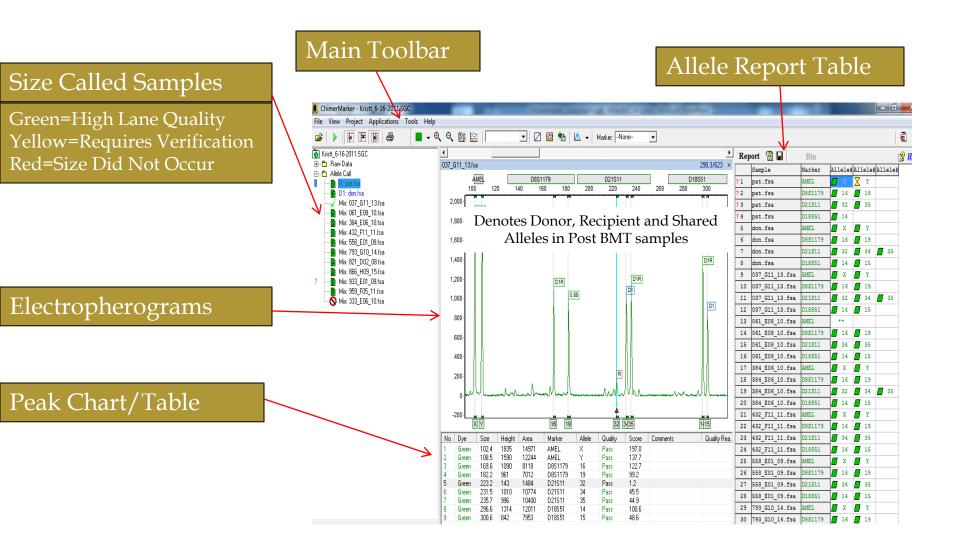
Size & Allele Calls using Run Wizard



Deselect to manually create Chimertyping panel

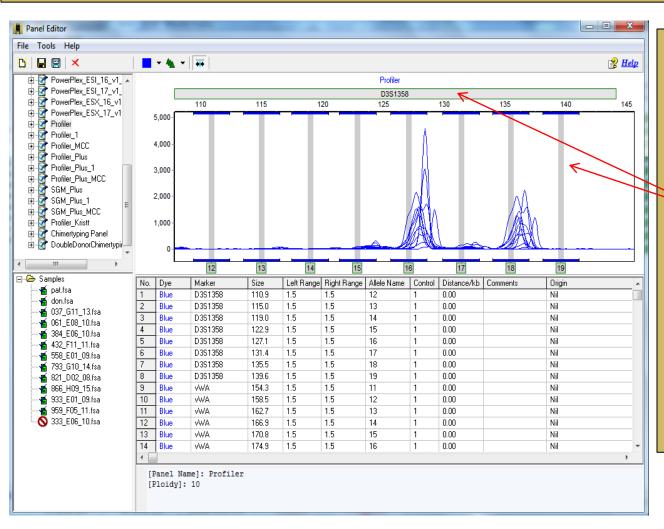
See ChimerMarker Manual Chapter 2 and 3

Review Size and Allele Cells



Panel Editor

*Tools → Panel Editor → Select Panel of Interest under "Panel Template"



*If one or more allele is not aligned correctly to its bin:

- •Adjust and calibrate panel
 - •Hold Shift key +
 Left-mouse click on
 Marker Label or Bin
 and drag it left or
 right to align it to the
 alleles.
- •Adjust marker parameters-> Filter out noise

Navigation

Zoom in:

-In electropherogram, hold left mouse click and drag a box from upper left to lower right

Zoom Out:

-In electropherogram, hold left mouse click and drag a box from lower right to upper left.

Scroll:

-In electropherogram, hold right mouse click and drag trace left or right.

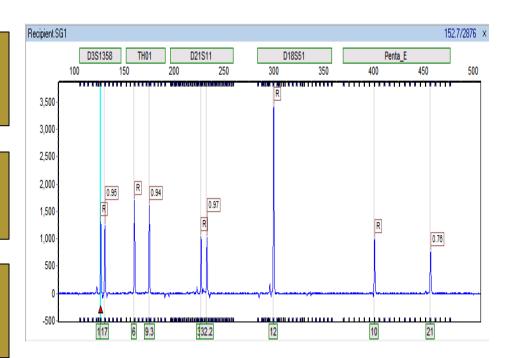
One Color Viewing

-Click the Show Color Icon



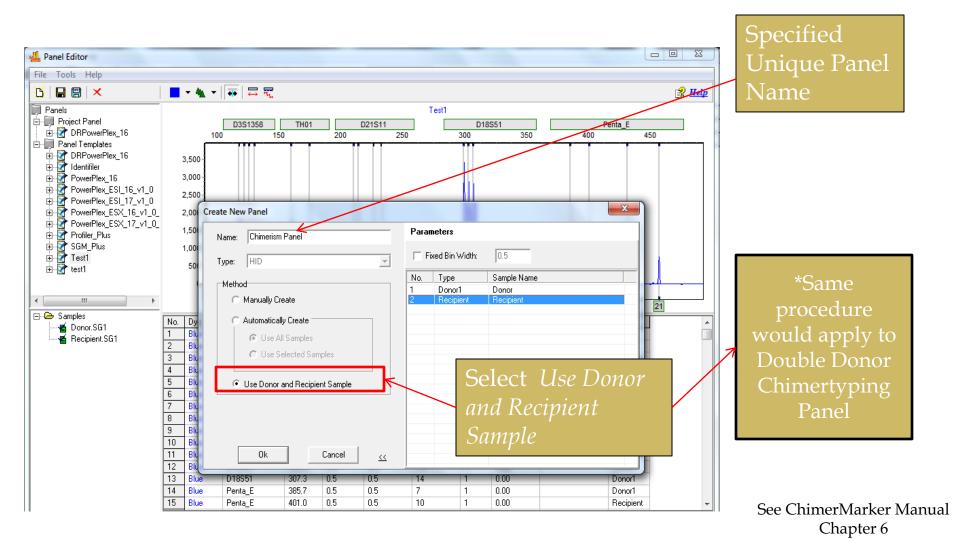
Hide Option:

-Click the *Show/Hide* Icons remove flie list, gel image, report table



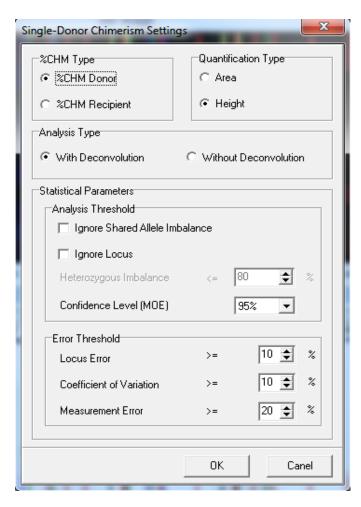
Making a Chimerism Panel

*If you selected "Auto Create CHM Panel" in the Run Wizard dialog, skip this step and move onto page 10



Chimerism Analysis



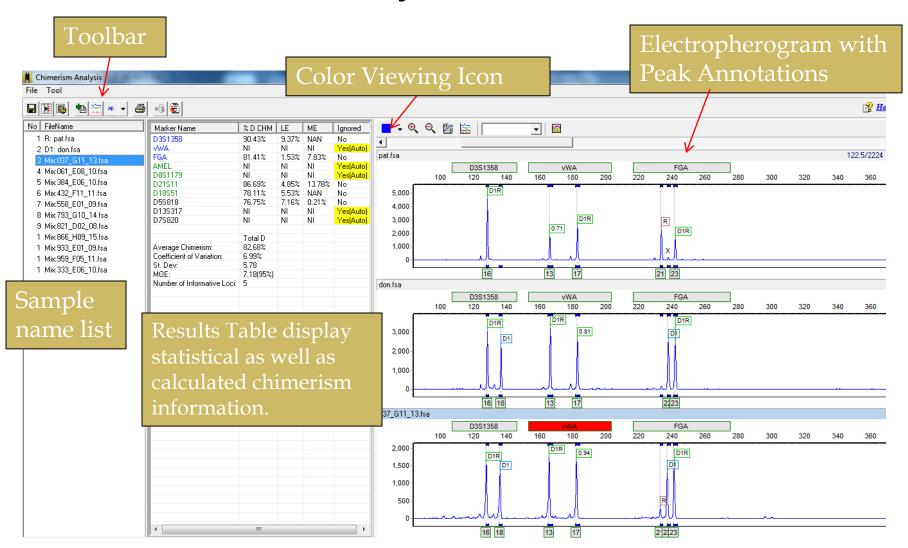


Select from the Applications drop-down menu

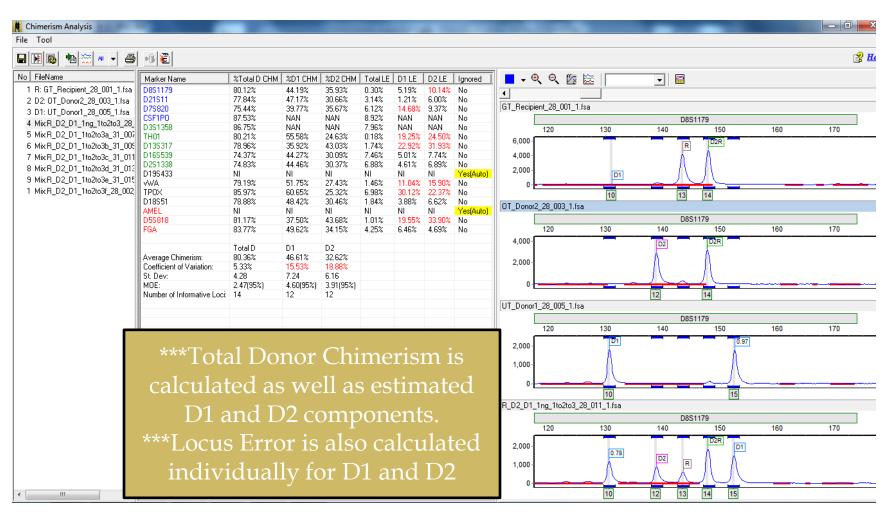
Single Donor Chimerism Settings:

- %CHM Type: Calculate by % Recipient or % Donor (applicable to Double Donor)
- ❖ Ignore Share Allele Imbalance: Ignore markers that contain unique allele that is greater in intensity or area than shared allele.
- ❖Quantification Type: Calculate Chimerism using Peak Area or Height (applicable to Double Donor)
- Analysis Type:
 - *With Deconvolution: Will use unshared allele information to deconvolute shared peak and calculate Chimerism
 - ❖ Without Deconvolution: Will ignore locus with shared peak and only use unshared alleles
- Statistical Parameters: Parameters to flag locus or sample using set threshold. (applicable to Double Donor)

Single Donor Chimerism Analysis Results



Double Donor Chimerism Analysis Results



Print or Save Report

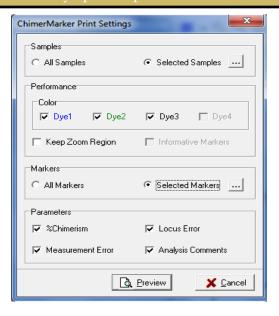
Save Report: File→Save Report

Click on Print Icon



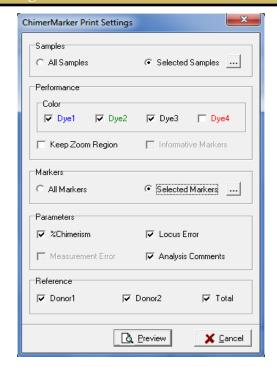
Print Options for Single Donor:

- ▶ Print all Samples or Select Specific Samples
- Print all Markers or Select Specific Markers
- Print all or only specific parameters.

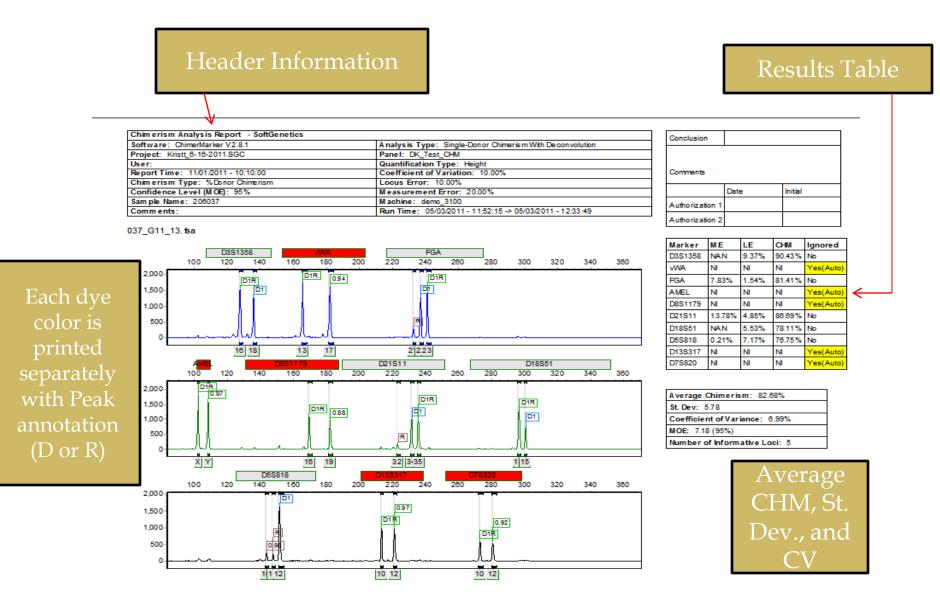


Print Options for Double Donor:

- ➤ Print all Samples or Select Specific Samples
- ▶ Print all Markers or Select Specific Markers
- ▶Print all or only specific parameters.
- Print all Reference components or specific components only.
- Keep Zoom Region prints current region of electropherogram

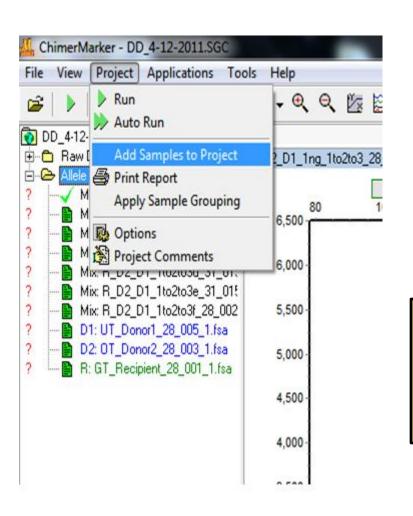


Comprehensive Report



See ChimerMarker Manual Chapter 2

Long Term Monitoring: Adding Subsequent Samples



* No need to repeat analysis – Add Samples to Project appends the patient project with follow-up samples over time.

To add additional samples to a saved project:

Project→ Add Samples to Project

Longitudinal Report

All samples within a project can be used to create a long term graph. For more information, please refer to The Longitudinal Webinar. For additional help/questions, please email tech_support@softgenetics.com

