

Create a marker list

To analyze differences in methylation between our experimental groups, we need to create a list of differentially methylated loci.

- Select **Create Marker List** from the Analysis section of the *Illumina BeadArray Methylation* workflow
- Select LCLs vs. B cells (Figure 1)

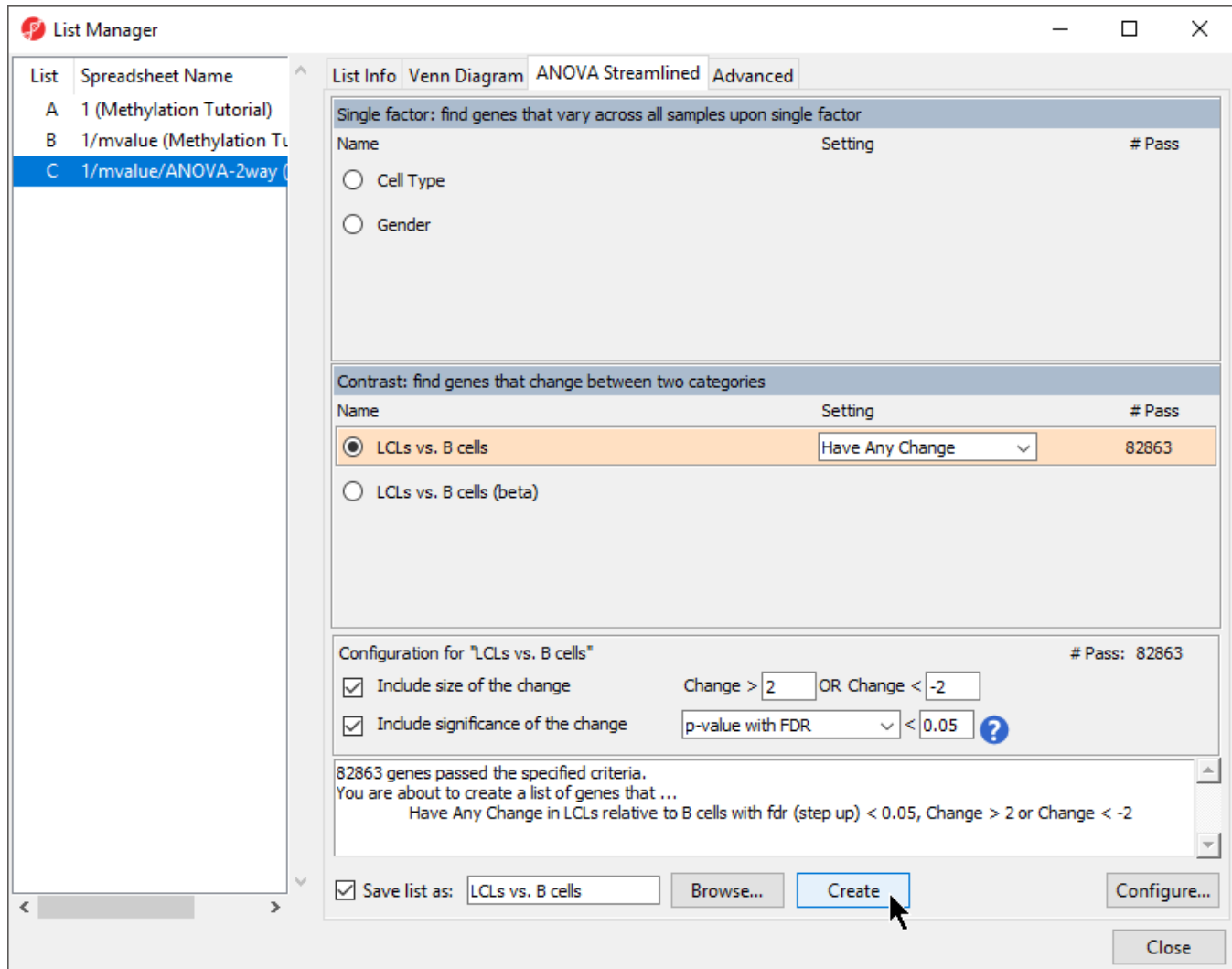


Figure 1. Creating a list of significantly differentially methylated loci

- Leave **Include size of the change** selected and set to *Change > 2 OR Change < -2*
- Leave **Include significance of the change** selected and set to **p-value with FDR < 0.05**
- Select **Create**
- Select **Close** to exit the list manager

The new spreadsheet *LCLs vs. B cells (LCLs vs. B cells)* will open in the Analysis tab.

It is best practice to occasionally save the project you are working on. Let's take the opportunity to do this now.

- Select **File** from the main command toolbar
- Select **Save Project...**
- Specify a name for the project, we chose *Methylation Tutorial*, using the *Save File* dialog
- Select **Save** to save the project

Saving the project saves the identity and child-parent relationships of all spreadsheets displayed in the spreadsheet tree. This allows us to open all relevant spreadsheets for our analysis by selecting the project file.

[« Detect differentially methylated loci](#) [Filter loci with the interactive filter](#) »

Additional Assistance

If you need additional assistance, please visit [our support page](#) to submit a help ticket or find phone numbers for regional support.



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