

TO PROCESS ILLUMINA EXPRESSION DATA USING THE BEADSTUDIO OR GENOMESTUDIO ILLUMINA PLUG-IN:

Download the appropriate plug-in from the links below:

Illumina BeadStudio plugin for Nexus Expression - 2MB

Primary Download Site:

http://www.biodiscovery.com/downloads/products/nexus_exp2_bstudio_plugin.exe

Secondary Download Site:

ftp://bdsoft.thebest1@www.arraycentral.com/latest/nexus_exp2_bstudio_plugin.exe

Illumina GenomeStudio plugin for Nexus Expression - 2MB

Primary Download Site:

http://www.biodiscovery.com/downloads/products/nexus_exp2_gstudio_plugin.exe

Secondary Download Site:

ftp://bdsoft.thebest1@www.arraycentral.com/latest/nexus_exp2_gstudio_plugin.exe

1. Open the BeadStudio or GenomeStudio project and run a Gene Expression analysis (**Analysis->Run Gene Analysis**). See the Bead/GenomeStudio manual for parameter settings.
2. Select **Analysis->Reports**.
3. Select **Custom Reports** and then select **Nexus Expression Input Report** from the dropdown. This wizard will create the array descriptor file needed to load data into Nexus Expression. Below the **Custom Report** dropdown is the **Report Settings** panel containing several fields that can be edited.
 - a. Type into the **FactorColumn** field, the Factors that you want to load into Nexus Expression. Values here correspond to the headers in the BeadStudio **Samples Table**. By default, **Gender** is selected. Enter additional values as necessary and separate with commas.
 - b. Select **True** or **False** for the **LaunchNexus** field depending on whether or not you want to start a new project. Select **True** if you are starting a new project. Select **False** if you have created a Nexus Expression project previously and just want to add data to it.
4. In the Report File Name panel enter a name for the final report file generated by this wizard or use the default. The array descriptor will also be created in the same folder.
5. Click OK to close the **Report Wizard**. If you selected **True** in the **LaunchNexus** field, Nexus Expression will be launched, a new project created and your samples will automatically be loaded and available in the **Arrays** tab. If you selected **False**, the **Report Wizard** will close and you will have to open Nexus Expression manually.

You would then open an existing project or a new project, click **Load Descriptor**, and navigate to the location selected in the previous step and select the array descriptor file to load your data into Nexus Expression.

6. Click **Process** to process your arrays in Nexus Expression.