



# GEO Data Submission Report Plug-in v2.0.0 for the GenomeStudio™ Gene Expression Module

## 1. Introduction

The GEO Data Submission Report Plug-in is a software library that works with Illumina's GenomeStudio Gene Expression (GX) Module, v1.0 and higher. This plug-in is intended to facilitate submitting data from the GenomeStudio GX module to the GEO public microarray database.

## 2. Installing the GEO Data Submission Report Plug-in

1. Download the GEO Data Submission Report Plug-in from one of the following locations:
  - The Downloads area of the Illumina [iCom](#) website
  - The GenomeStudio Portal

The setup program places the plug-in DLL into the directory [C:\Program Files\Illumina\GenomeStudio\Modules\BSGX\ReportPlugins\GXDataSubmissionReports](#).

2. Run the setup program for the plug-in.
3. Follow the instructions in the installation prompts.

## 3. Using the GEO Data Submission Report Plug-in

1. Using GenomeStudio GX v1.0 or higher, open a GX project.
2. In the GenomeStudio main menu, select **Reports**.
3. Select **Custom Report**.
4. From the dropdown list, select **GEO Submission Report**.
5. Adjust the report parameters if desired.

Note: The default report parameters should already be correct for submitting data to GEO.

6. Click **OK**.

A progress dialog is shown while the report is being generated. When the report is complete, a dialog asking "Would you like to view this report?" appears.

7. Click **Yes**.

A text file containing a link to the report output directory (project repository) opens on your desktop. This text file includes a link to the GEO web site.

## 4. Additional Information

- 4.1. The GEO Data Submission Report Plug-in creates tab-delimited reports in your GX project directory.
- 4.2. These reports supply only information that is available from GenomeStudio. You must manually enter all other information that you want to include in this report.
- 4.3. PROBE\_ID is the unique identifier for all probes.



- 4.4. GEO requires you to submit both raw and normalized data. Please run the report plug-in for the normalized analysis and include the name of the supplementary raw data file in the appropriate fields in the GEOarchive\_Metadata file.
- 4.5. For general information about submitting data to the GEO public microarray database, consult the GEOarchive submission instructions web page at <http://www.ncbi.nlm.nih.gov/projects/geo/info/spreadsheet.html>.

## 5. Technical Support

Direct questions related to installing and using the GEO Data Submission Report Plug-in to Illumina Technical Support ([techsupport@illumina.com](mailto:techsupport@illumina.com) or +1-800-809-4566). Direct questions about submitting data to the GEO public microarray database to [geo@ncbi.nlm.nih.gov](mailto:geo@ncbi.nlm.nih.gov).

## 6. Version History

Release v2.0 for GenomeStudio, Build Date 03.17.09.

Release v1.0 for BeadStudio, Build Date 11.26.07.

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