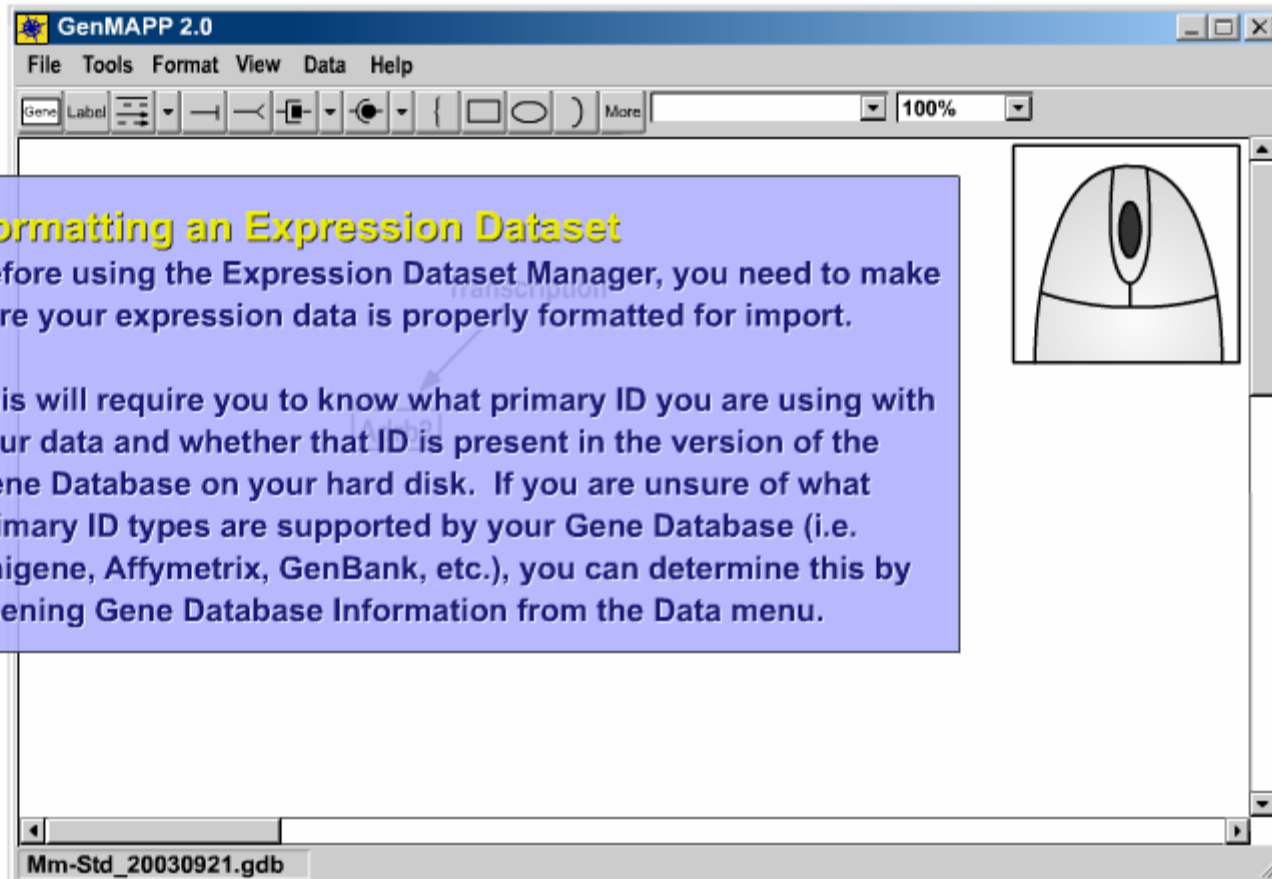


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Mm-Std_20030921 Gene Database

Species: Mus musculus

GenMAPP release date: 01-Sep-2003

Last modification date: 28-Sep-2003

Gene Table	Code	Related System
Affy	X	GeneOntology MGI InterPro LocusLink SwissProt Unigene
GeneOntology	T	MGI SwissProt InterPro Unigene
InterPro	I	GeneOntology Affy SwissProt
LocusLink	L	Unigene RefSeq GeneOntology Affy MGI SwissProt

Formatting an Expression Dataset

Having identified the System codes for your dataset, format your data as follows (note: some gene ID systems allow for primary or secondary IDs to be entered, as SwissProt with ID and accession or SGD with ID and ORF. Open the Gene Database Manager window from the data menu to view data types from each system) :

Note: Column titles must be limited to 30 alphanumeric characters. Unlimited number of fields

Required Fields

Optional Data and Character Fields

GeneID	SystemCode	Control Avg	Control SD	tmp 1 Avg	tmp 1 SD	p-value
Msa.42576.0_f_at	X	32	11	23	7	0.0594
Msa.6010.0_f_at	X	1263	334	1015	225	0.1036
Msa.6022.0_s_at	X	36	30	57	70	0.4586
PENK_MOUSE	S	21	3	20	0	0.3506
Q9QZV4	S	20	0	20	0	0.3466
MGI:104748	M	20	0	20	1	0.3466
MGI:1350985	M	25	11	31	20	0.6657
Mm.28932	U	39	51	20	0	0.3506
Mm.7447	U	125	78	103	61	0.7859
NP_008113	Q	73	54	74	29	0.6177

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Expression Dataset Manager

Expression Datasets Gene Color Sets Help

Name

Remarks

Notes

Gene Color Sets

Names Gene Value

Criteria Builder

Columns

Ops

Label in Legend

Color

Criterion

Table:

	Label	Criterion	Color
1	No criteria met		
2	Not found		

Buttons: New, Save, Add, Move Up, Move Down, Edit, Delete

File: Mm-Std_20030921.gdb

Importing a Gene Expression Dataset

To import a dataset, go to the "Expression Datasets" menu and select "New."



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Expression Dataset Manager

Expression Datasets Gene Color Sets Help

Name: MyExperiment

Remarks:

Notes:

Gene Color Sets

Names: Gene Value:

Criteria Builder

Columns: Name, Control Avg, Exp Avg, Fold Change, P-value

Ops: =, >, <, >=, <=, AND, OR

Label in Legend: Color:

New Save Add

Criterion:

	Label	Criterion
1	No criteria met	
2	Not found	

Mm-Std_20030921.gdb

Creating Color Sets

A user can define any number of Color Sets for a given expression dataset. Each Color Set can contain any number of chosen criteria for color based visualization of MAPP files.

For more information on GenMAPP Color Sets, [click here](#)

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A user can define any number of Color Sets for a given expression dataset. Each Color Set can contain any number of chosen criteria for color based visualization of MAPP files.

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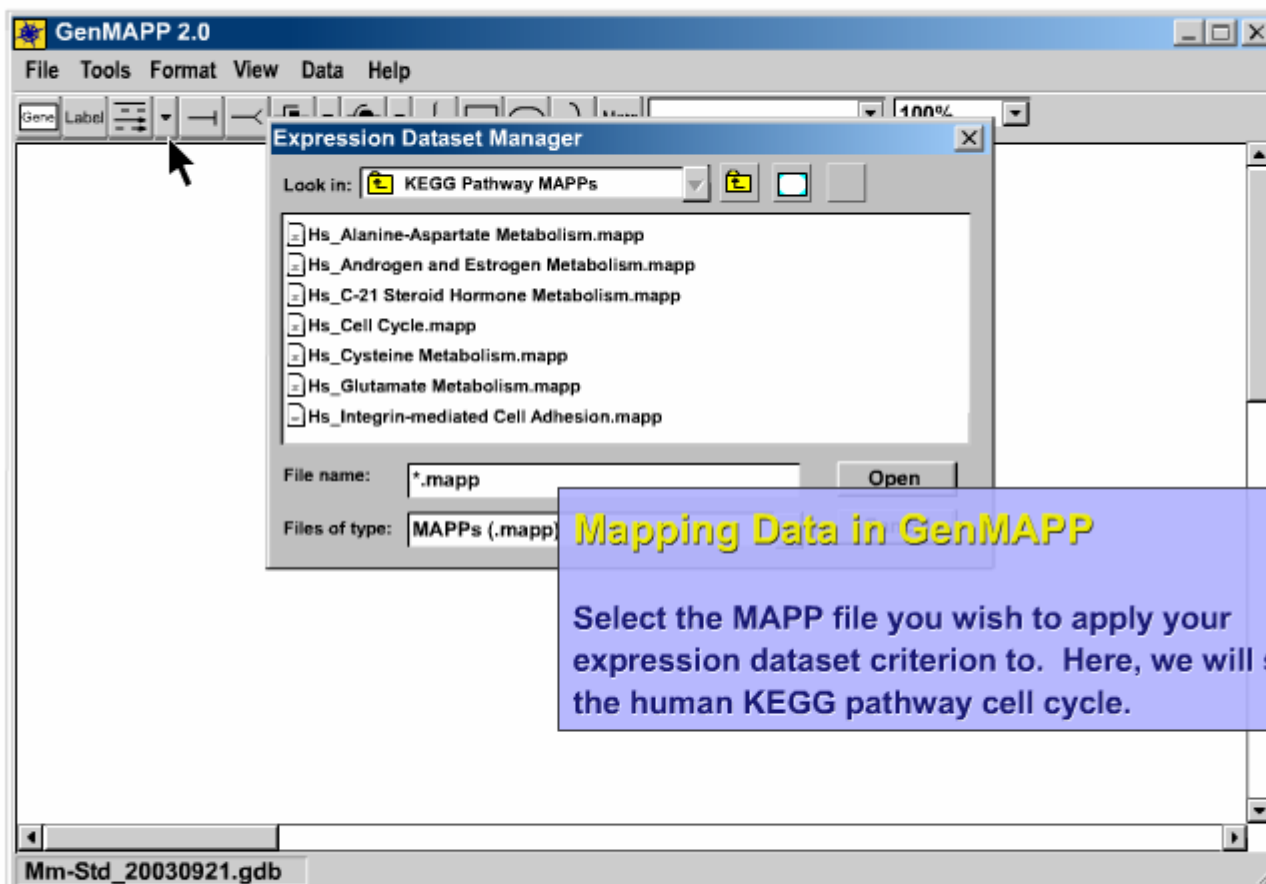
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Mapping Data in GenMAPP

Select the MAPP file you wish to apply your expression dataset criterion to. Here, we will select the human KEGG pathway cell cycle.



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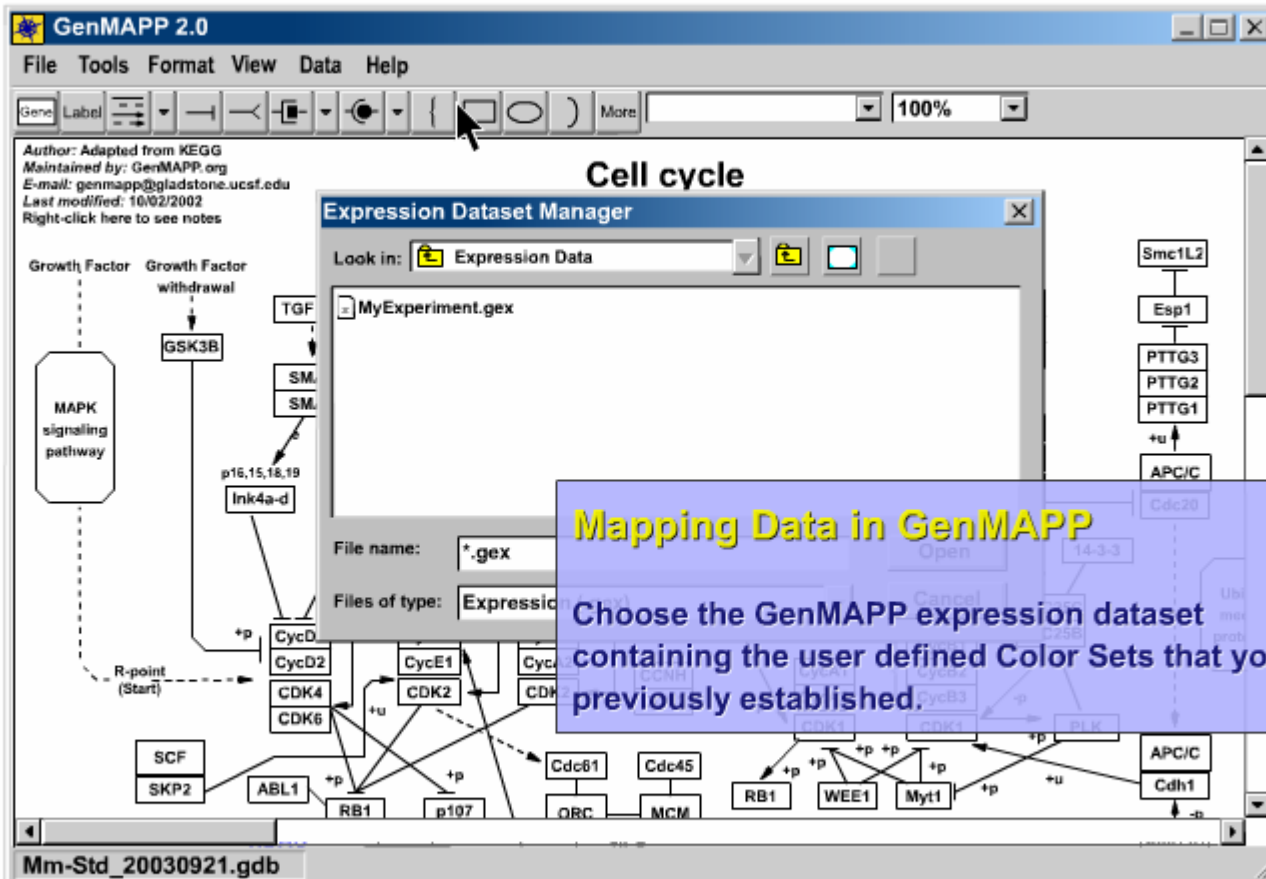
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Mapping Data in GenMAPP

Choose the GenMAPP expression dataset containing the user defined Color Sets that you previously established.



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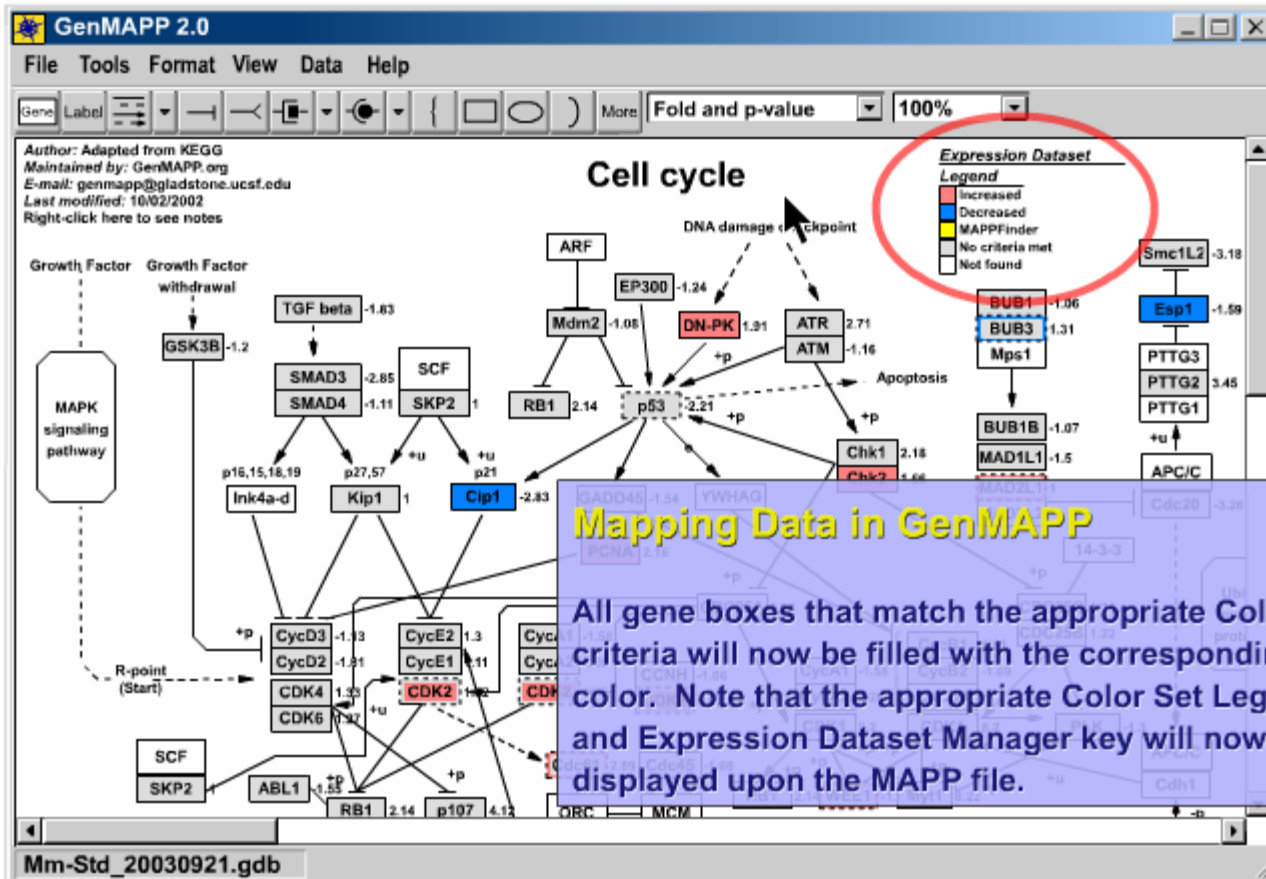
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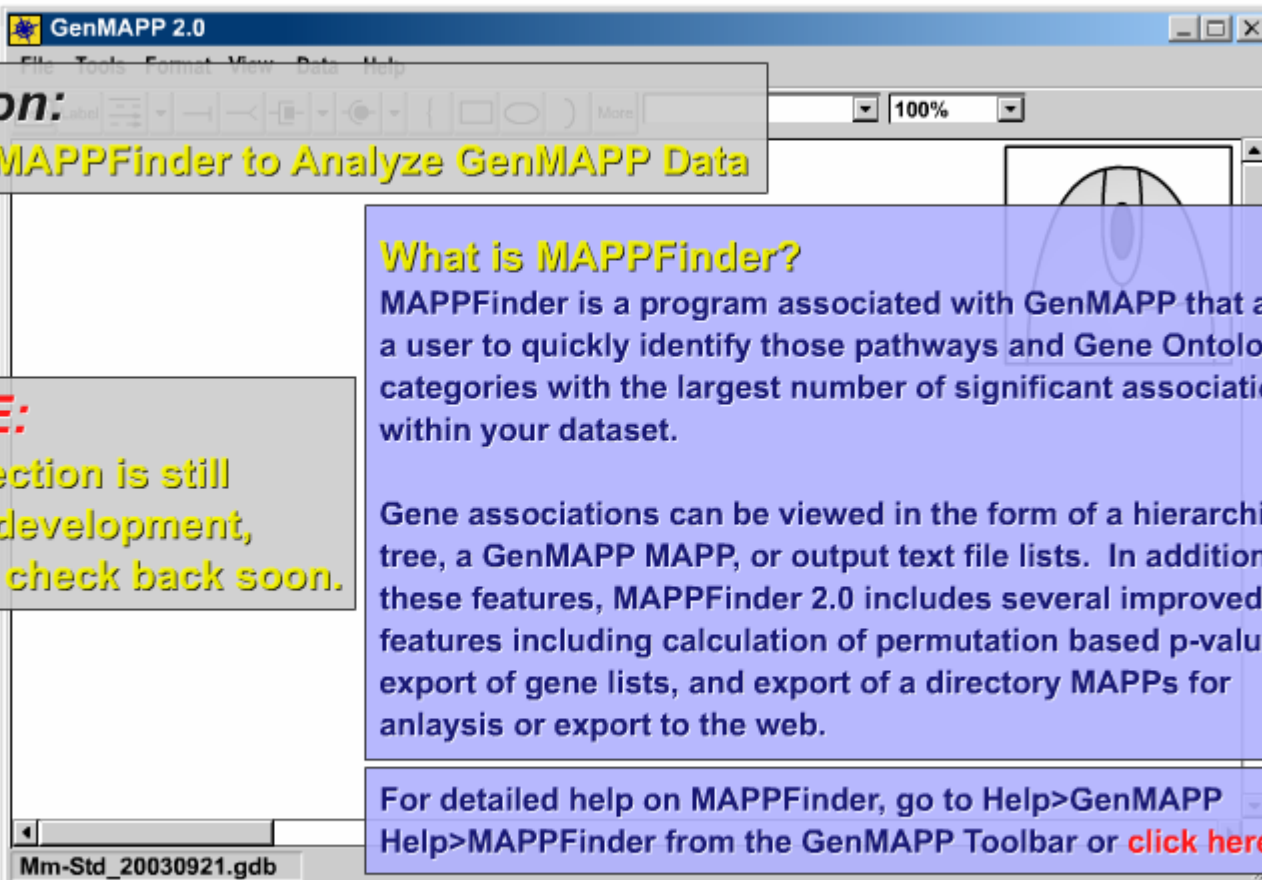
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Lesson:

Using MAPPFinder to Analyze GenMAPP Data

NOTE:

This section is still under development, please check back soon.

What is MAPPFinder?

MAPPFinder is a program associated with GenMAPP that allows a user to quickly identify those pathways and Gene Ontology categories with the largest number of significant associations within your dataset.

Gene associations can be viewed in the form of a hierarchical tree, a GenMAPP MAPP, or output text file lists. In addition to these features, MAPPFinder 2.0 includes several improved features including calculation of permutation based p-values, export of gene lists, and export of a directory MAPPs for analysis or export to the web.

For detailed help on MAPPFinder, go to Help>GenMAPP Help>MAPPFinder from the GenMAPP Toolbar or [click here](#).



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