Database Management Tools

The National Molecular Subtyping Network
for Foodborne Disease Surveillance
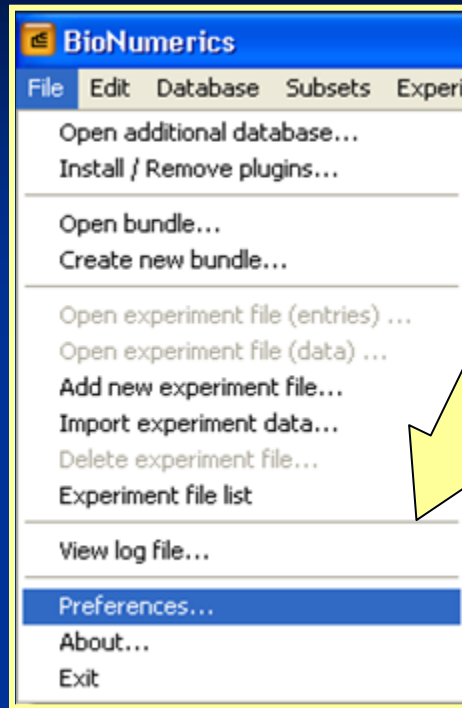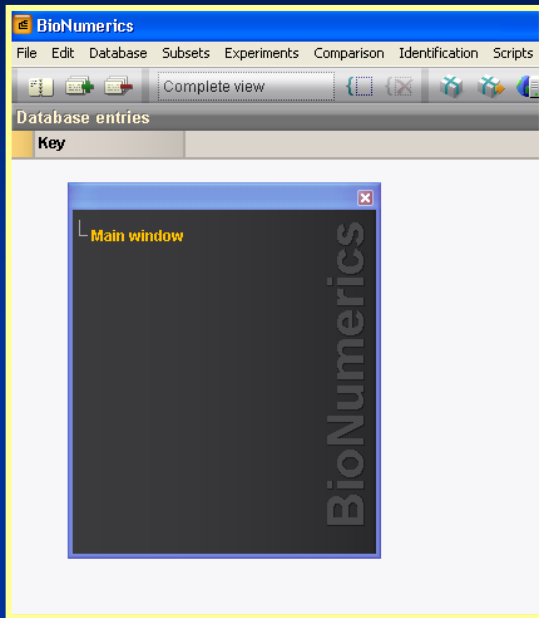
Molly Leeper

May 2009

Overview

- **Database Settings and Layouts**
    - Navigator Window Removal
    - Preferences
        - Fixed vs. Flexible Windows
        - Color and Font Options
    - Adding Database Fields
    - Freezing Panes
- Settings Menu
    - Directory Location
- Database Fields
    - Order
    - Active Fields: Comparison
- Layouts
- Pick lists
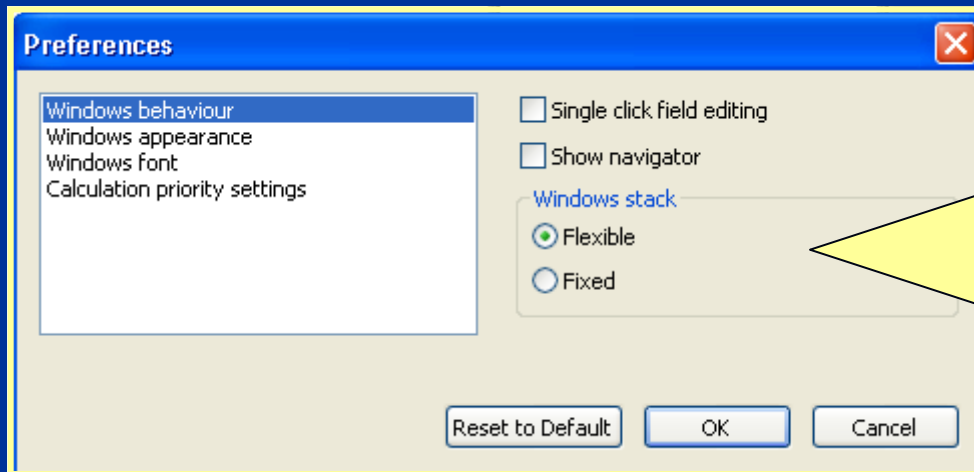- Deleting Databases

Navigator Window Removal

Select File, then Preferences

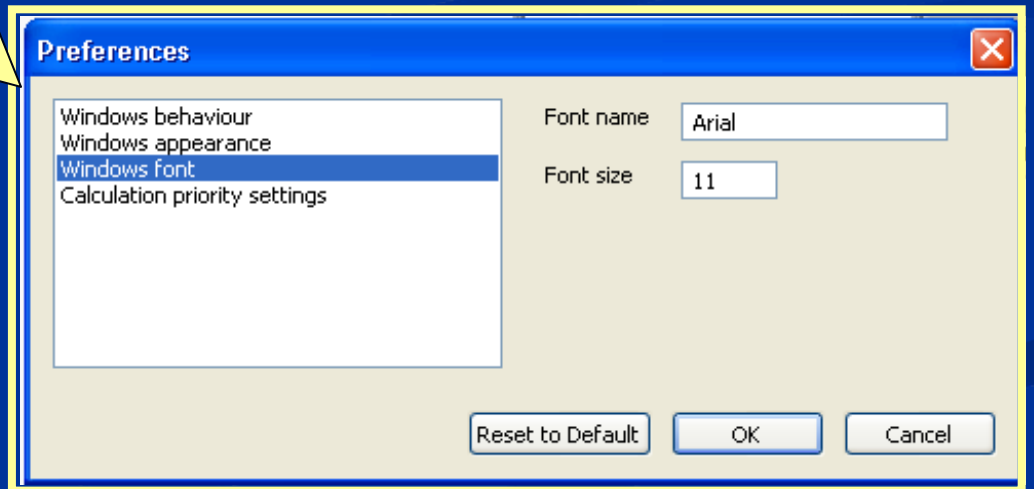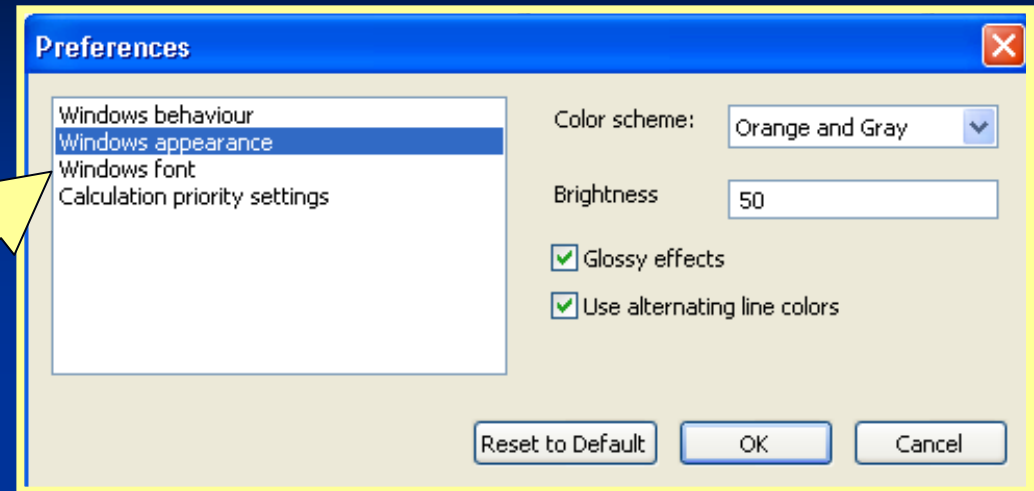**Under Windows behavior, uncheck "Show navigator" option**
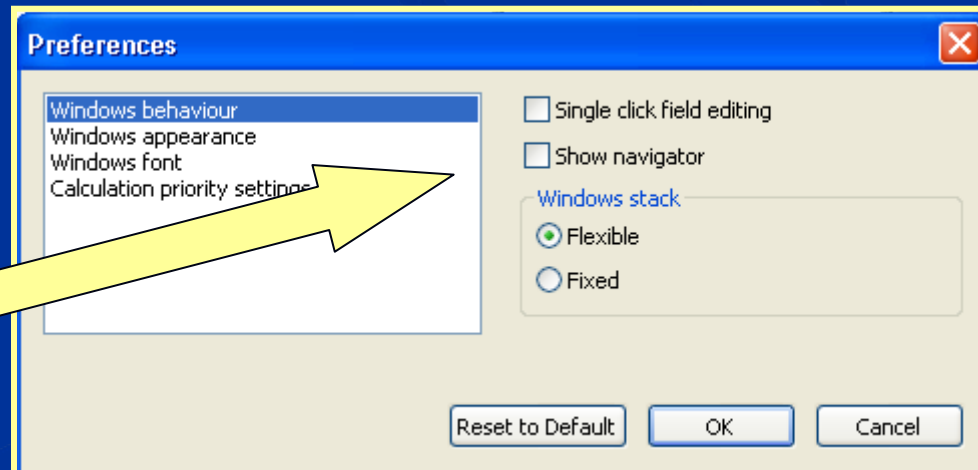
Preferences: Fixed vs. Flexible

- In order to keep all windows, when minimized, within the Bionumerics main screen, change the preferences to Fixed instead of Flexible under Windows Stack
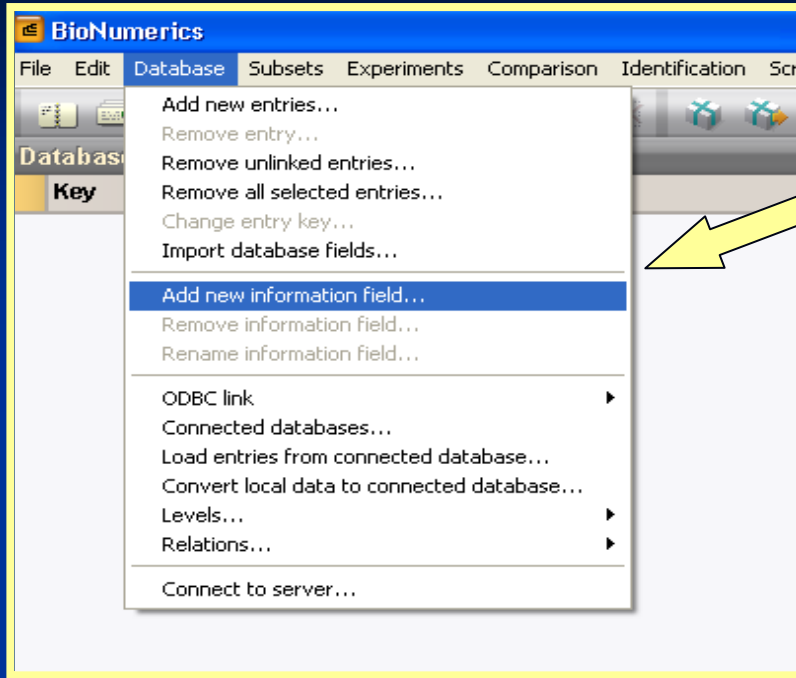
Preferences: Color and Font

Select either windows font for database text or windows appearance for color schemes
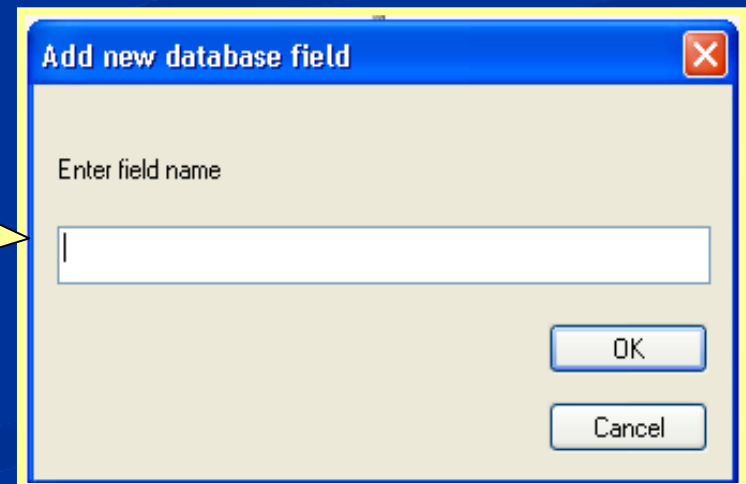
Preferences

Windows behaviour
Windows appearance
Windows font
Calculation priority settings

Color scheme: Orange and Gray

Brightness: 50

☑ Glossy effects
☑ Use alternating line colors

Reset to Default   OK   Cancel

Preferences

Windows behaviour
Windows appearance
Windows font
Calculation priority settings

Font name: Arial

Font size: 11

Reset to Default   OK   Cancel

Adding Database Fields

BioNumerics

File Edit **Database** Subsets Experiments Comparison Identification Scr

Add new entries...
Remove entry...
Remove unlinked entries...
Remove all selected entries...
Change entry key...
Import database fields...

Add new information field...
Remove information field...
Rename information field...

ODBC link   ▶
Connected databases...
Load entries from connected database...
Convert local data to connected database...
Levels...   ▶
Relations...   ▶

Connect to server...

To add additional database fields, select:
1. **Database**
2. **Add new information field**
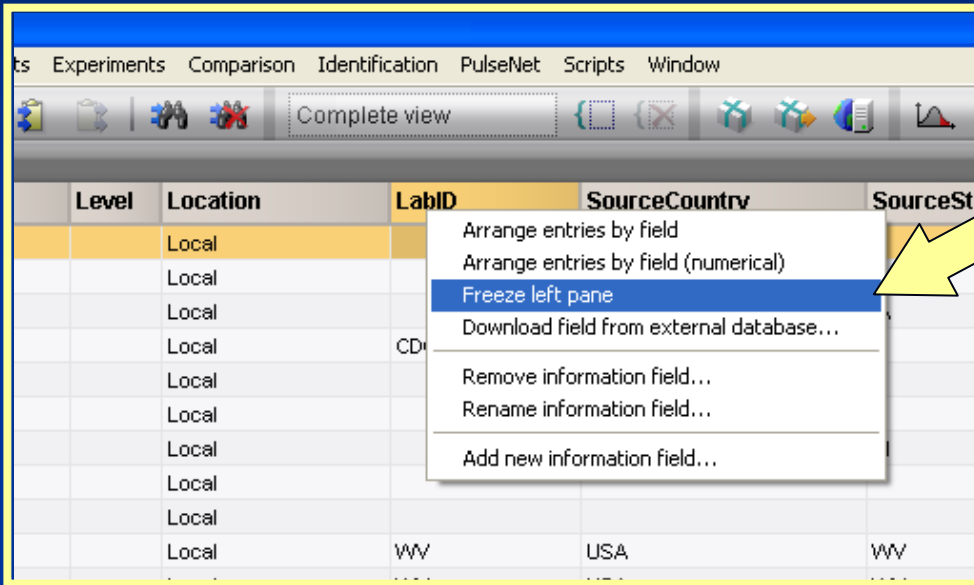
Type the name of the new field into the entry window and select ok.

Add new database field

Enter field name

OK   Cancel

Freezing Panes

To set a column to be fixed, right click on the column before the column to be fixed

By freezing a column, all columns located before will also be stationary

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Settings Menu

Settings drop-down menu appears

Click "Settings"

Settings: Directory Location

This is the directory location of your BioNumerics database. You can change this location when necessary. Please ask your <u>IT representatives</u> to assist you.

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Database Fields: Order
main window

Change the order of fields by selecting the field and holding the +ctrl key and the direction arrow of choice

Database Active Fields: Comparisons

Within comparisons, fields can be turned on and off using the pull-down menu with the gray arrow to the far right of the comparison window

Active Fields: Comparisons

Column properties drop down menu will appear; here you can check or un-check fields to change the active view within the comparison

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Layouts
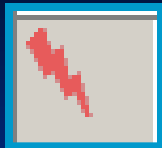
PulseNet Modified Tools Shortcut
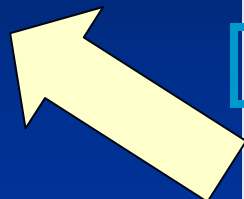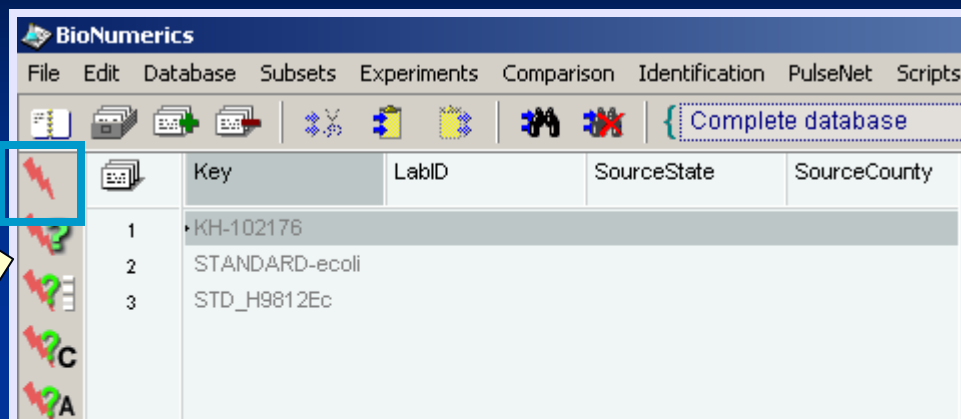
1. **Layout**

2. **Change field**

3. **Pick lists**
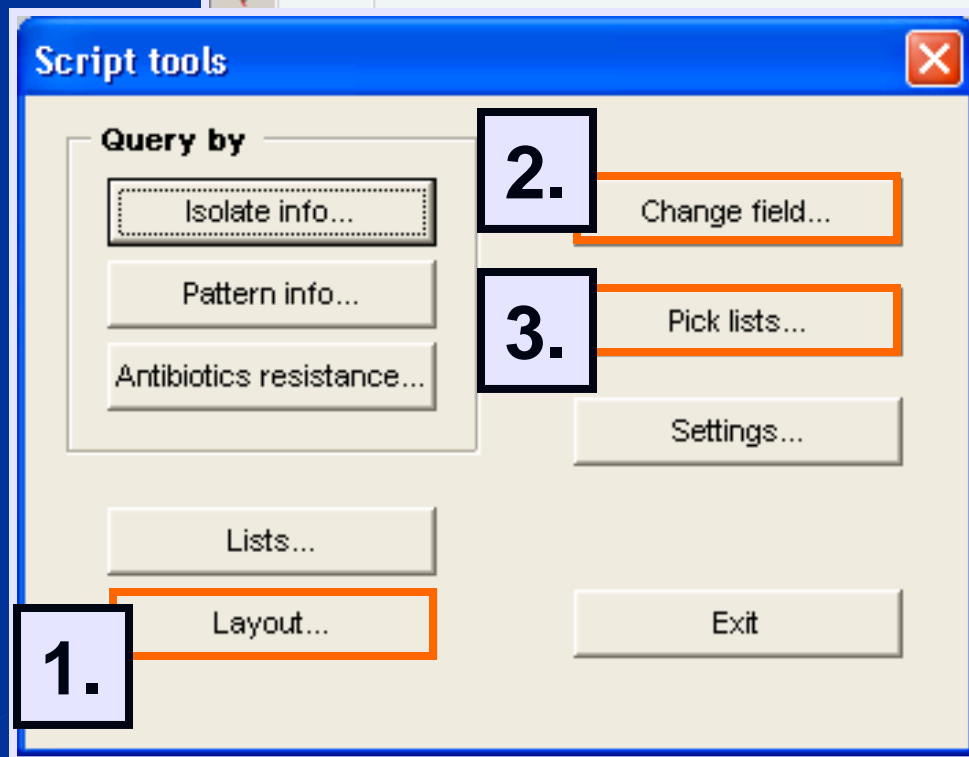
Layouts

Modified layouts can be seen in all actions including Database screen, comparisons, and printouts

Save / Load field layout

All
Blnl_Unique
ELC's
Epi Request
Spel_Unique
Taiwan_2006
Xbal_Unique

Switch on/off fields...

Save
Loa
De
Exit
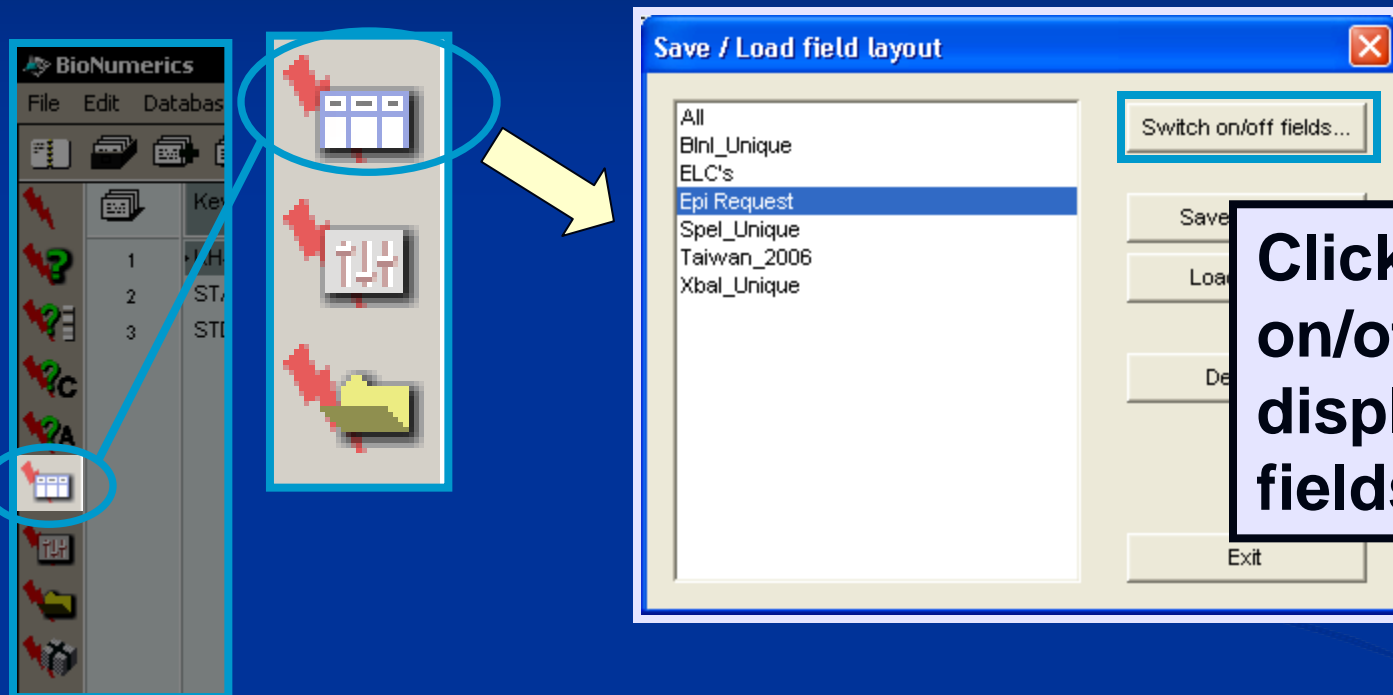
Click on "Switch on/off fields" to display information fields

Create Different layouts for:

Presentations, Reports, or Year-end reviews…etc.

Layouts

Save / Load field layout

All
BlnI_Unique
ELC's
Epi Request
Spel_Unique
Taiwan_2006
Xbal_Unique

Switch on/off fields...

Save layout...

Load layout

Click on "Switch on/off fields" to display information fields

Switch on/off fields

☑ LabID	☑ IsolatDate	☐ ToxinAdditInfo	☑ PFGE-BlnI-pattern
☑ SourceState	☑ ReceivedDate	☐ TEMP	☑ PFGE-BlnI-rundate
☑ SourceCounty	☑ UploadDate	☐ Status	☑ PFGE-BlnI-status
☑ SourceCity	☑ UploadModifiedDate	☐ NARMS-EB	☐ PFGE-Spel-file
☑ SourceCountry	☑ Serotype	☐ FoodNet	☐ PFGE-Spel-pattern
☑ SourceSite	☑ Outbreak	☐ PFGE-Xbal-file	☐ PFGE-Spel-rundate
☑ SourceType	☑ cdc_id	☑ PFGE-Xbal-pattern	☑ PFGE-Spel-status
☐ OtherStateIsolate	☑ ListMember	☑ PFGE-Xbal-rundate	☑ TypeDetails
☑ PatientAge	☑ Phagetype	☑ PFGE-Xbal-status	
☑ PatientSex	☑ Toxin	☐ PFGE-BlnI-file	

OK

Cancel

**Check to select or deselect fields of interest
Click "OK"**

Layouts
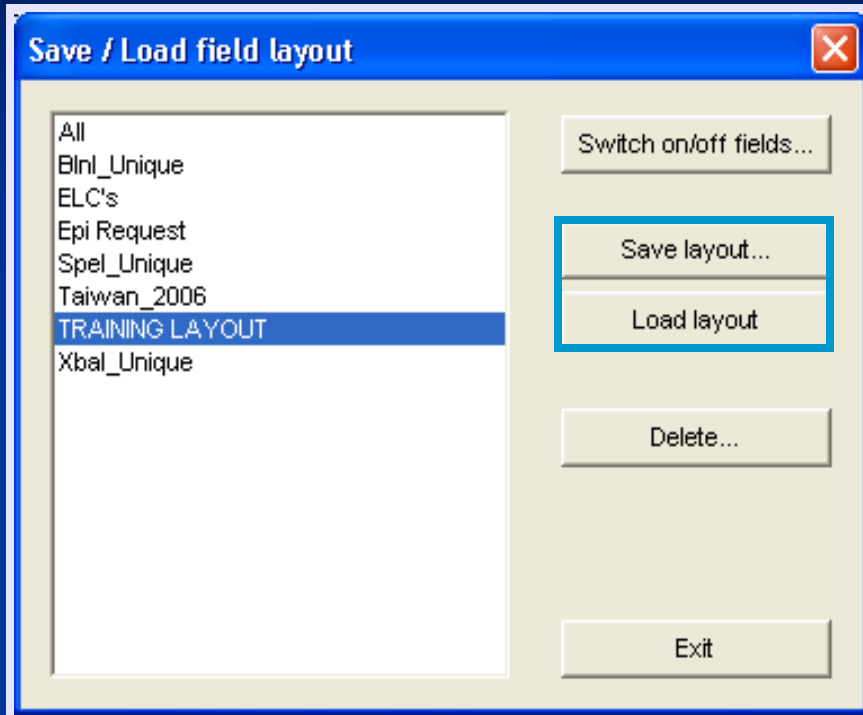
1. Click on "Save layout" to save the currently selected fields
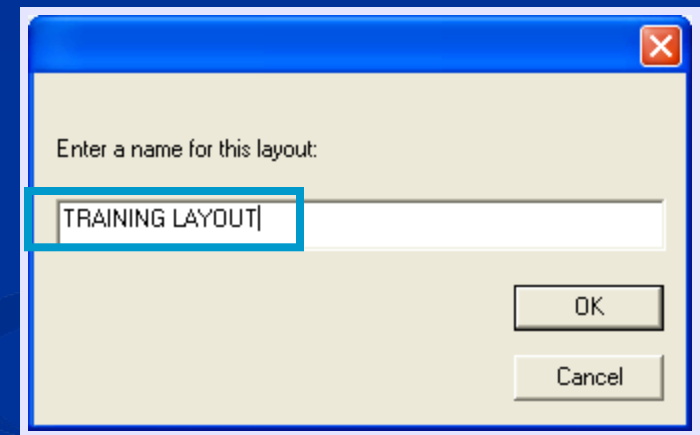
2. Name layout

3. Load or Delete a saved layout

Useful when creating different reports that require different layouts

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- **Pick lists**
- Deleting Databases

Pick Lists
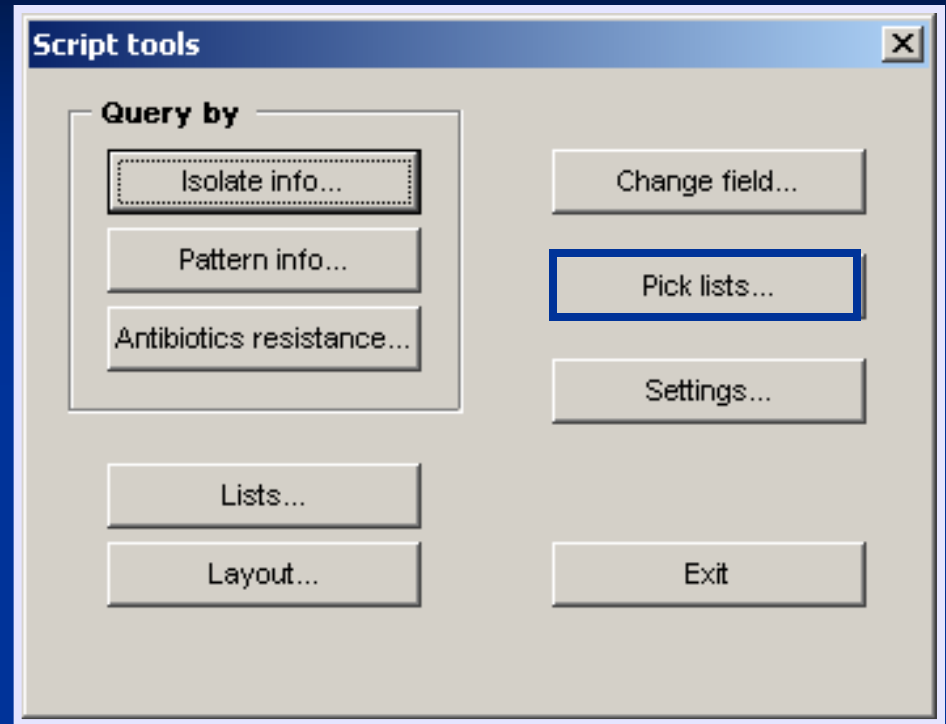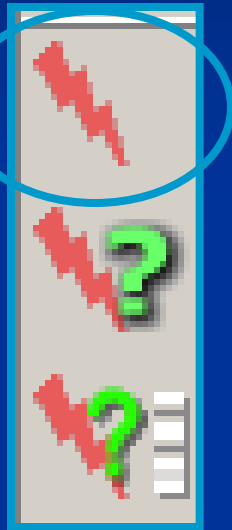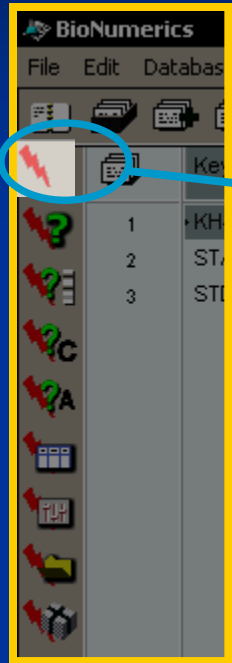
Pick lists: a list in a pull-down menu in the Entry Properties screen ("the green i").

Pick Lists

You can add and/or delete items from several pick lists

Pick Lists Fields

Country	Outbreak
State	Traveled To
County	Exposure
City	Phagetype
Source Site	Type Details

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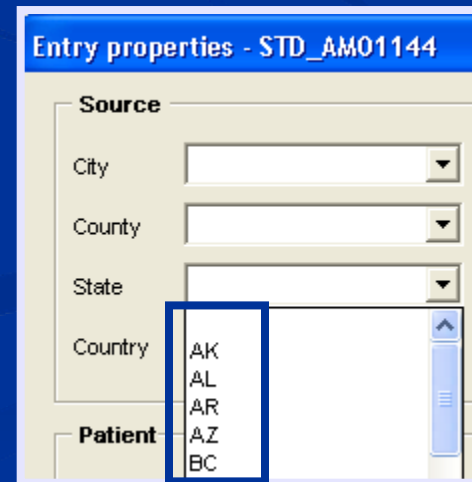 - Order
  - Active Fields: Comparison
- Layouts
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- **<u>Deleting Databases</u>**

Deleting Databases

Warning

Are you sure you want to remove the database 'DemoBase'?

[Yes] [No]

Database

Campy NEW	26
Campy-client	01
Demobase 2D	03
DemoBase	2008-09-26 15:42
Ecoli-client	2008-09-26 15:23
Listeria-client	2008-09-15 09:33
MTDC Campy Admin	2008-09-05 12:41
MTDC Ecoli Admin	2008-09-22 11:05

Database settings...
Delete database...
Change home directory...
License settings...

Comm

File   Edit   View   Favorites   Tools   Help

Back   Address   c://program files/bionumerics/data

Name	Size	Type	Date Modified
Salmonella_Jana		File Folder	
Script_Salmonella			
Test Campy Admin			
Test Salmonella Admin			
BNLOG.TXT			
Campy NEW.dbs			
Campy-client.dbs			
Demobase 2D.dbs			
DemoBase.dbs			

Be sure to also delete the coordinating ".dbs" file, which will be saved in the BN home directory

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Questions?

Thank you for your attention
The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the Centers for Disease Control and Prevention