Importing & Exporting Data in BioNumerics

Beth McGlinchey

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DEPARTMENT OF HEALTH & HUMAN SERVICES · USA

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

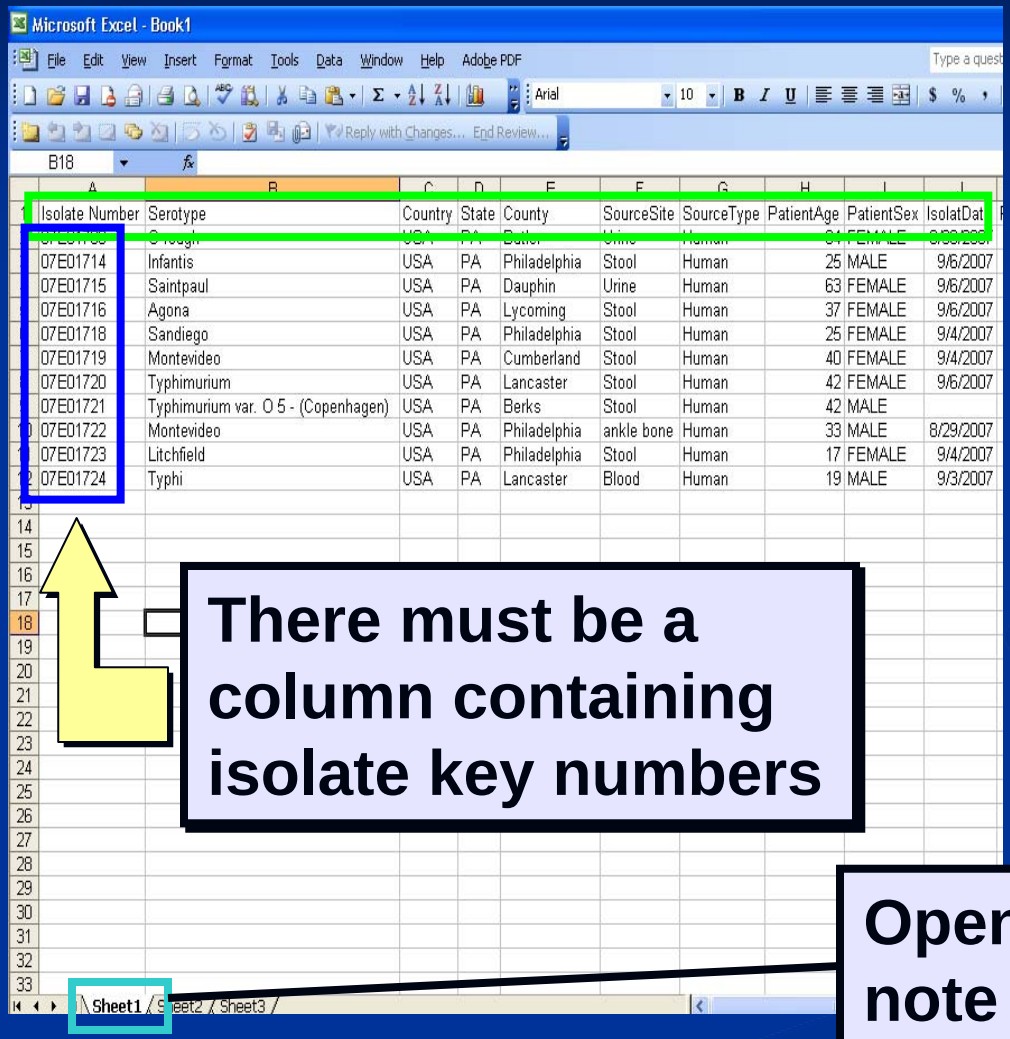
Overview

- **Import Demographic Information**
  - Create ODBC Link
  - Download Data
- Export Data into Excel

Import Demographic Information

- What can be imported?
  - Data located in Microsoft Excel or Microsoft Access
  - Database fields (ex. patient age, source site)
  - Character data (antimicrobial profiles—not covered in this presentation)
  - Sequence data (not covered in this presentation)

Import Demographic Information



First row of Excel should contain database field names (they do not have to be the same as those found in BioNumerics)

There must be a column containing isolate key numbers

Open the Excel file and note the name of the sheet (default: Sheet1)

Overview

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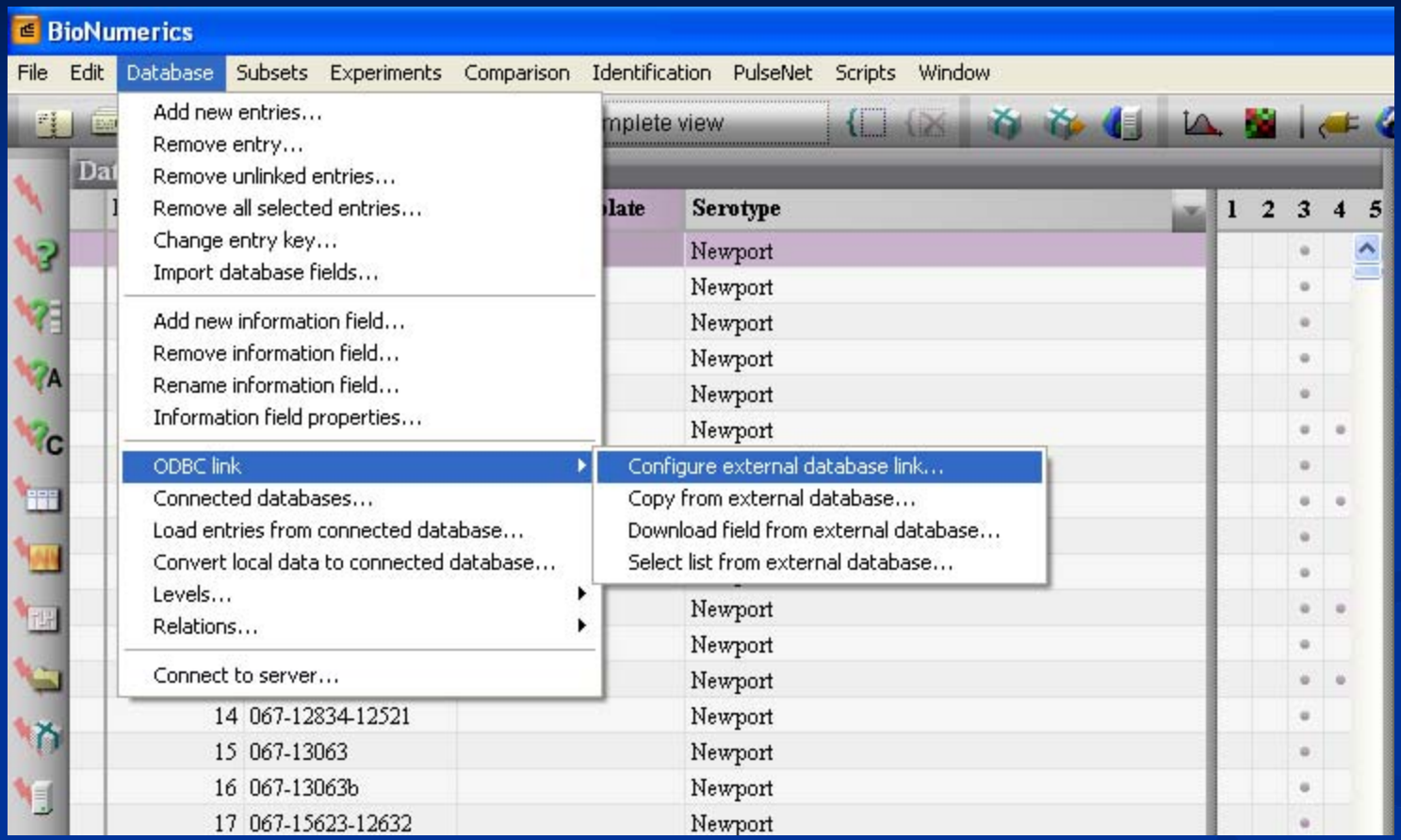
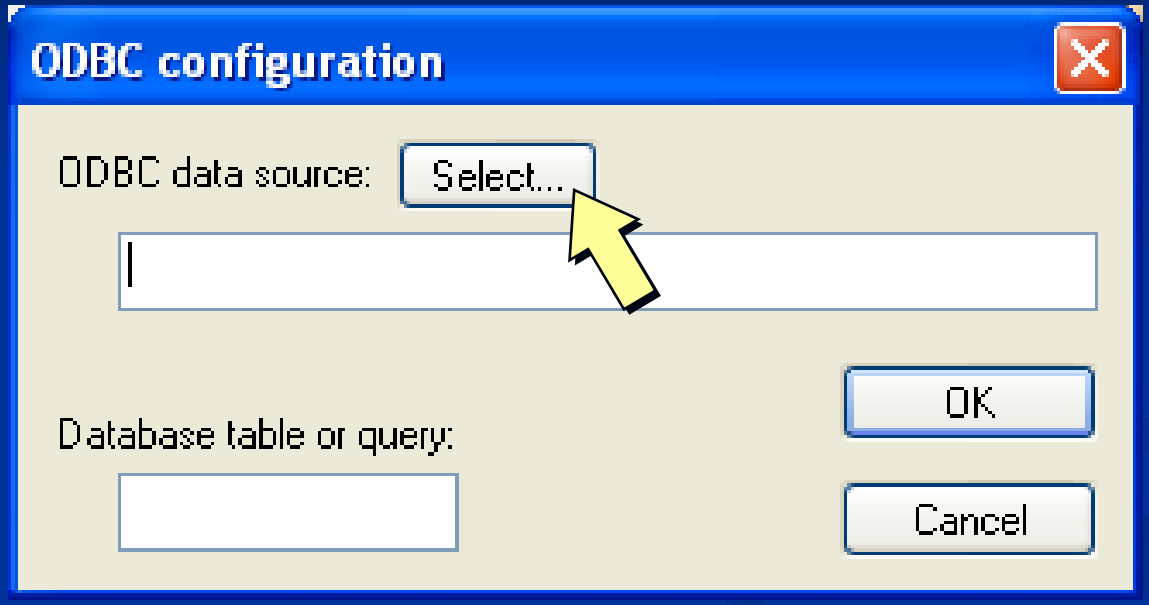
Import: Create ODBC Link



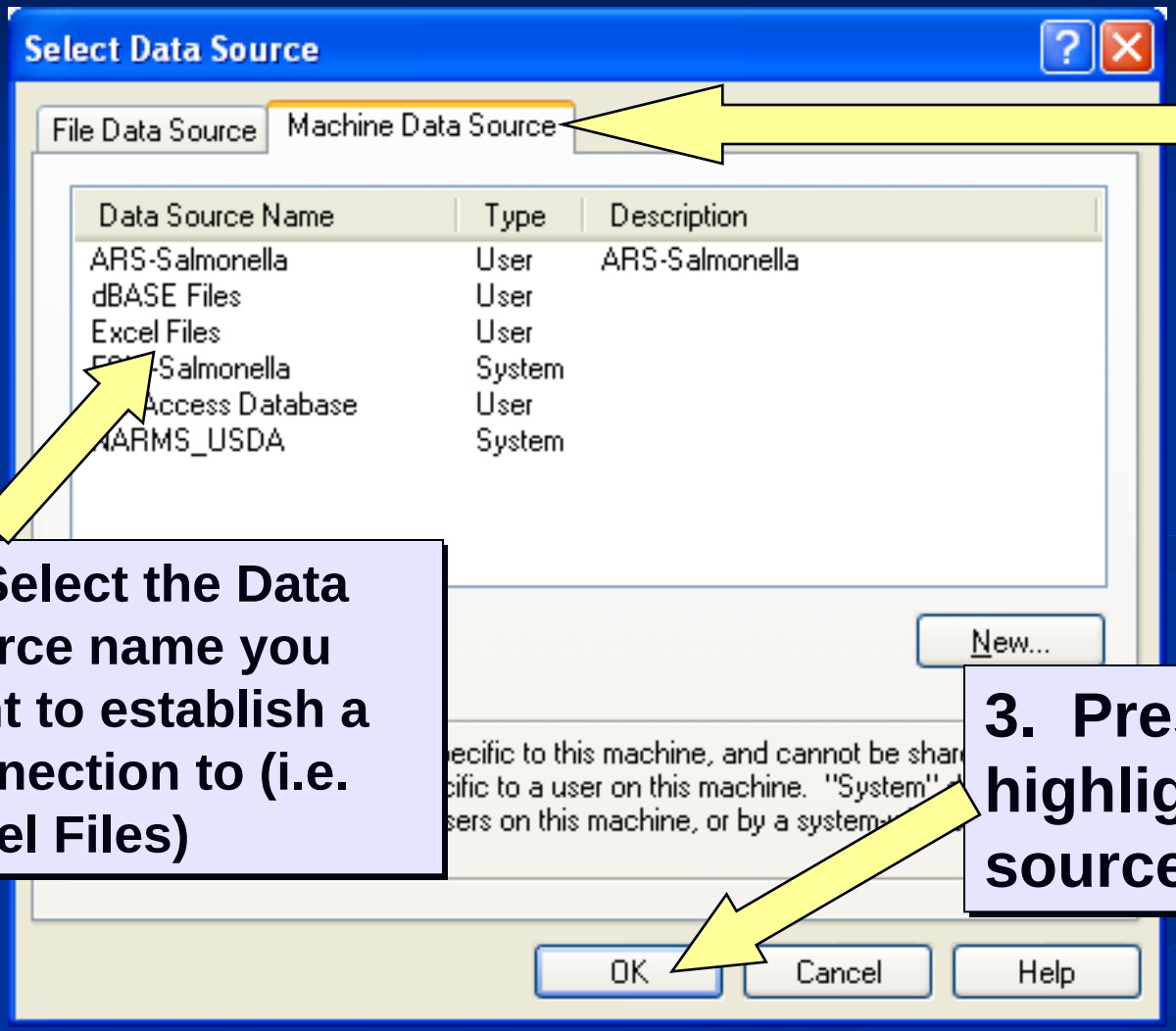
In the main screen of BioNumerics, select Database→ ODBC link→ Configure external database link...

Import: Create ODBC Link



Press “Select” to bring up the Windows ODBC configuration wizard

Import: Create ODBC Link

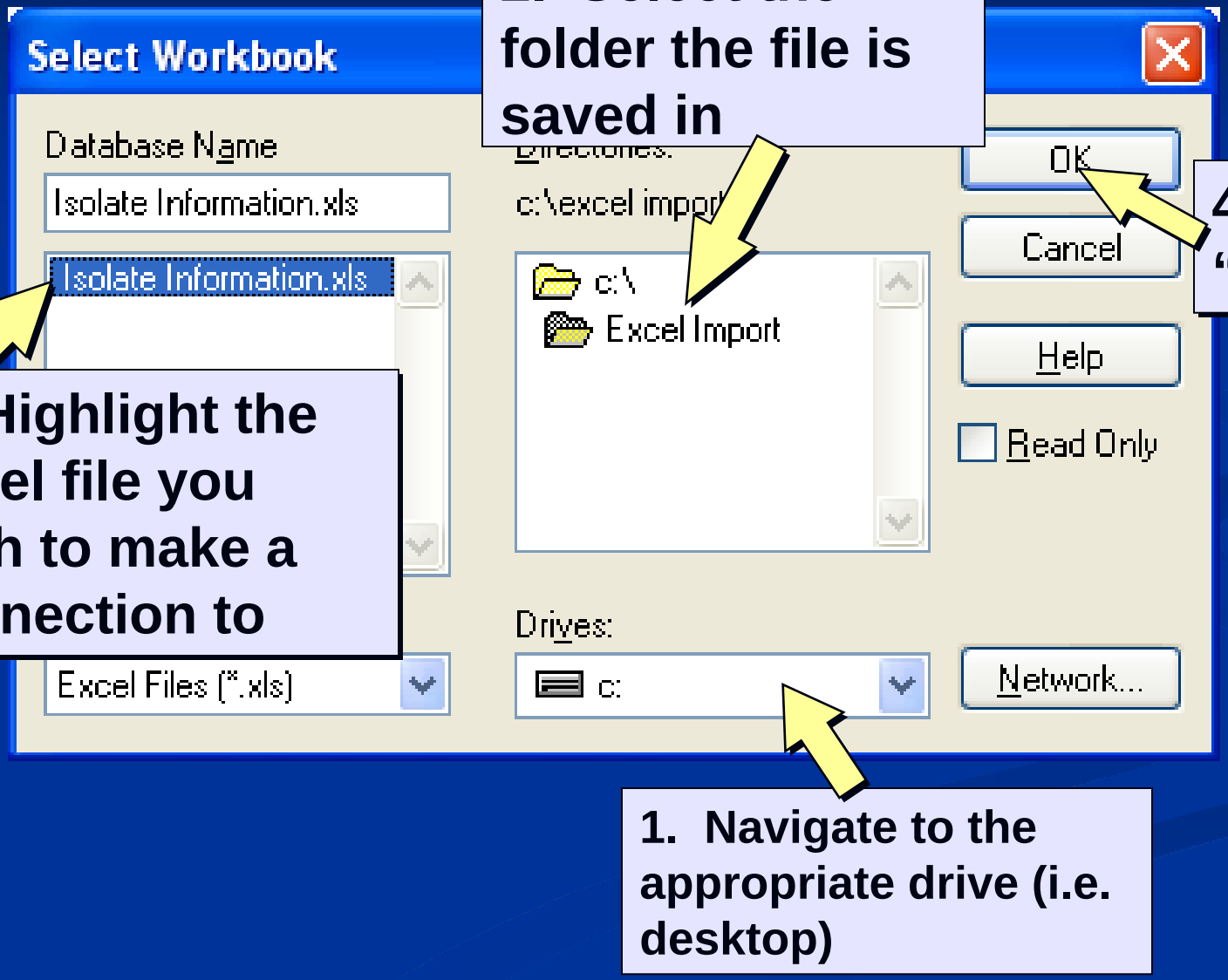


1. Select the Machine Data Source tab

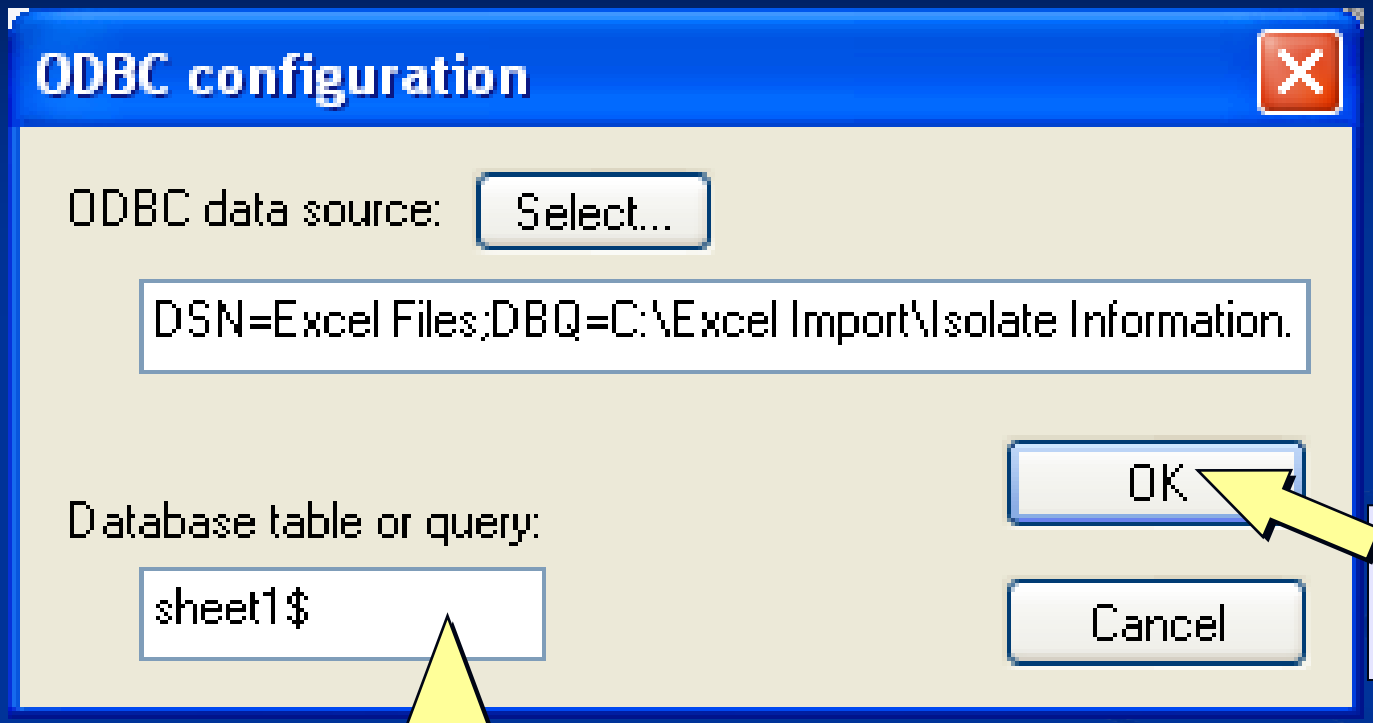
2. Select the Data source name you want to establish a connection to (i.e. Excel Files)

3. Press “OK” after highlighting the data source name

Import: Create ODBC Link



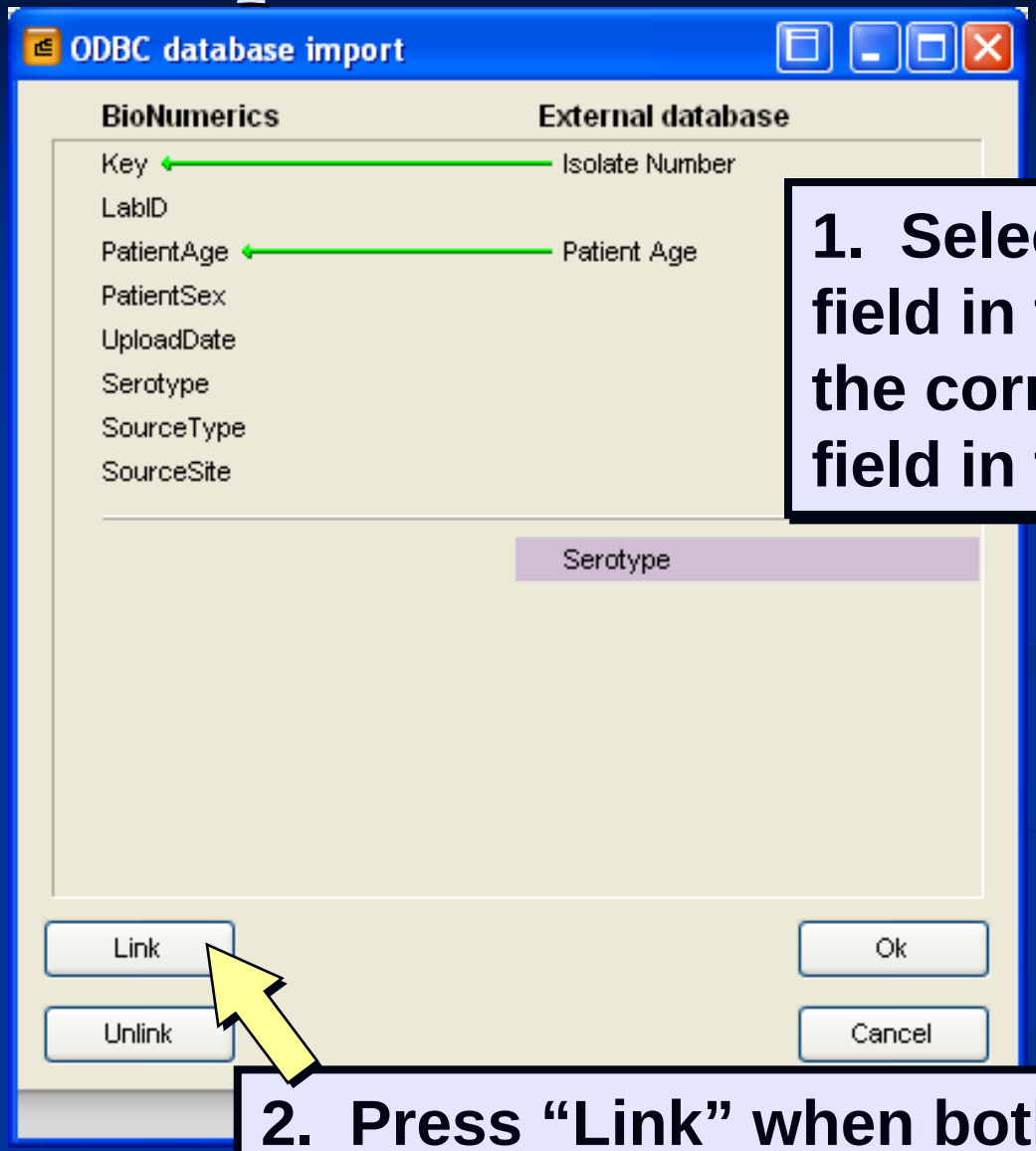
Import: Create ODBC Link



2. Press "OK"

1. Enter the name of the sheet with a '$' sign added (ex. sheet1$)

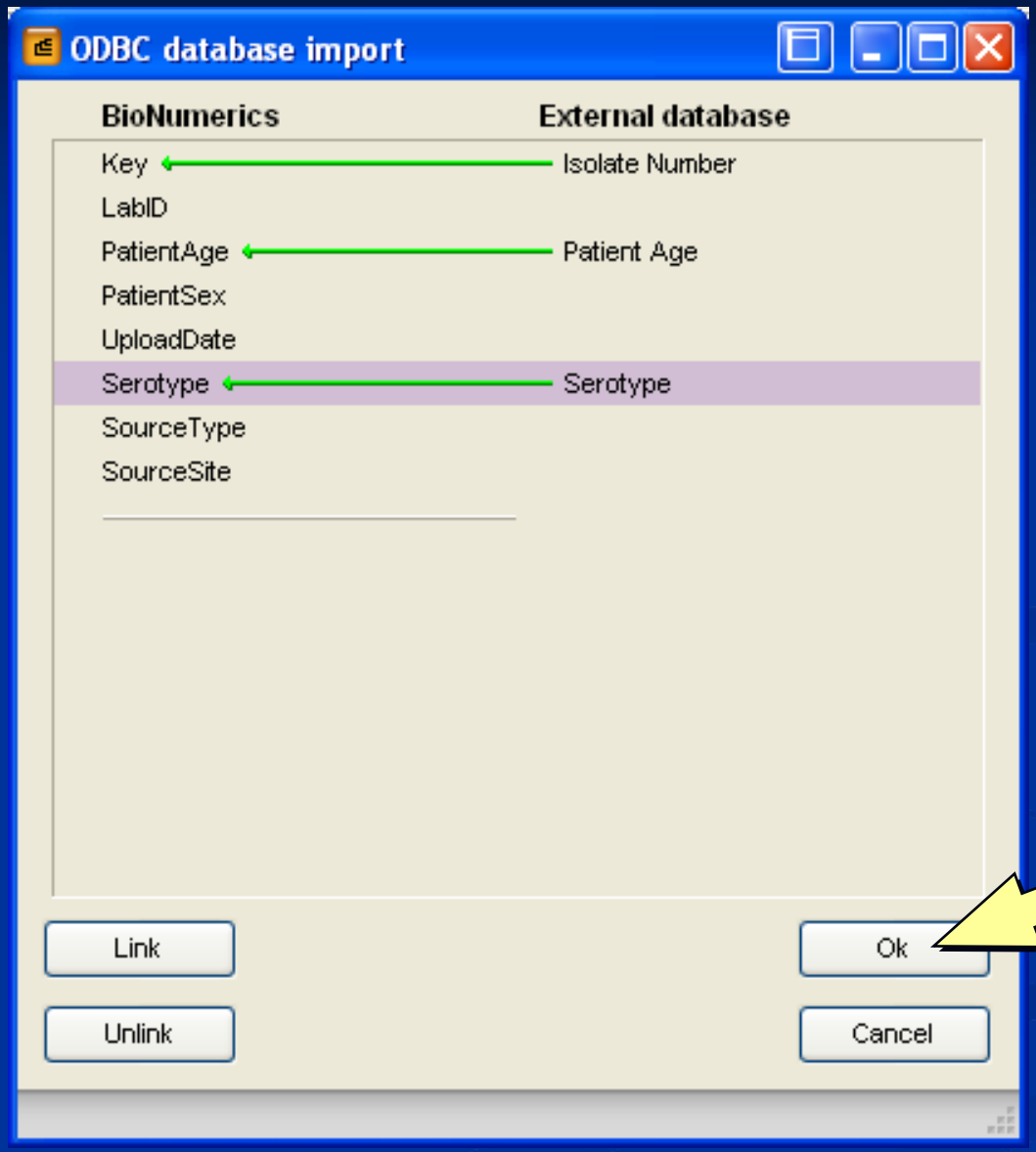
Import: Create ODBC Link



1. Select a BioNumerics field in the left column and the corresponding Excel field in the right column

2. Press “Link” when both fields are highlighted

Import: Create ODBC Link

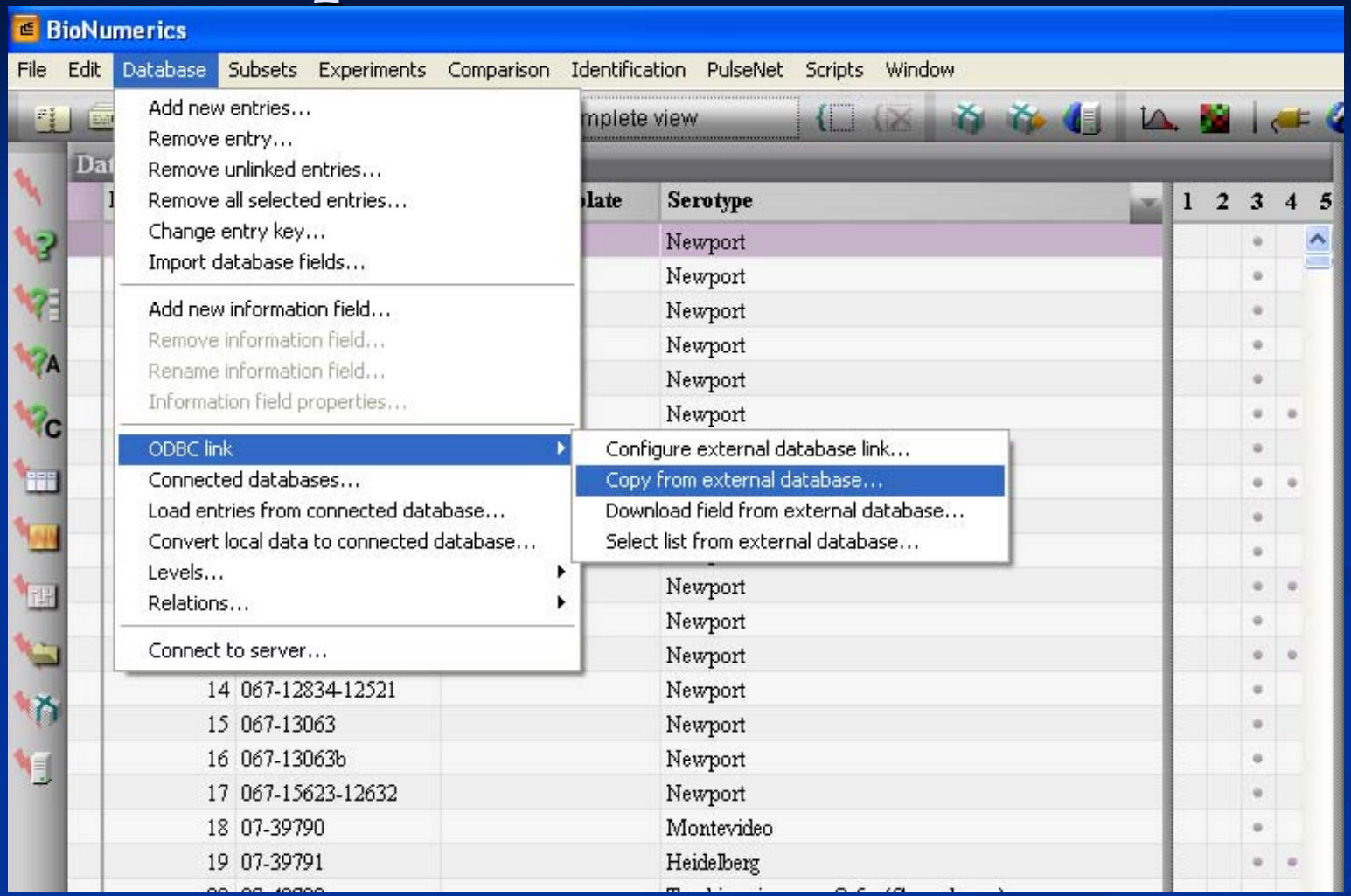


Press "OK" after all appropriate fields are linked

Overview

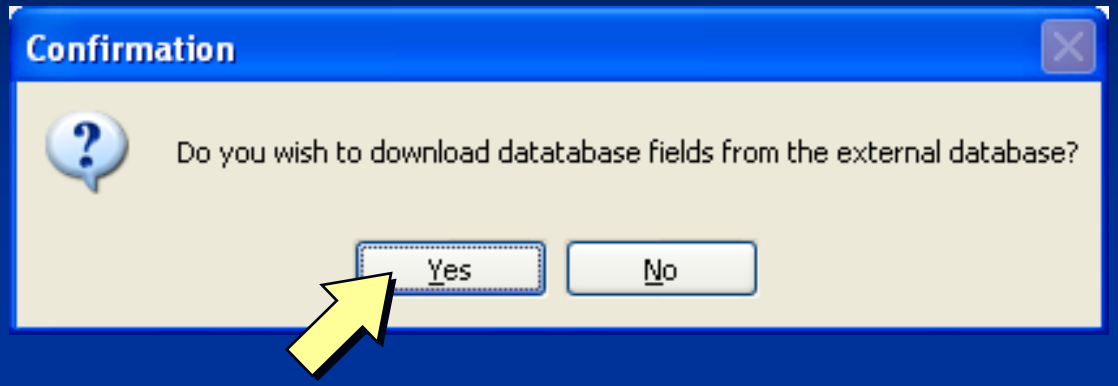
- Import Demographic Information
  - Create ODBC Link
  - **Download Data**
- Export Data into Excel

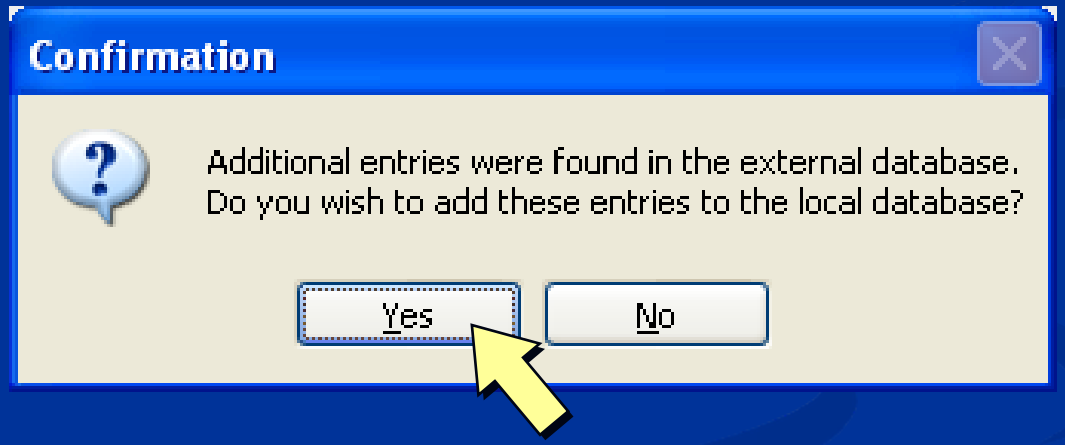
Import: Download Data



Select Database→ ODBC link→ Copy from external database...

Import: Download Data





Now the data from Excel is present in your BioNumerics database!

Import Data into BioNumerics

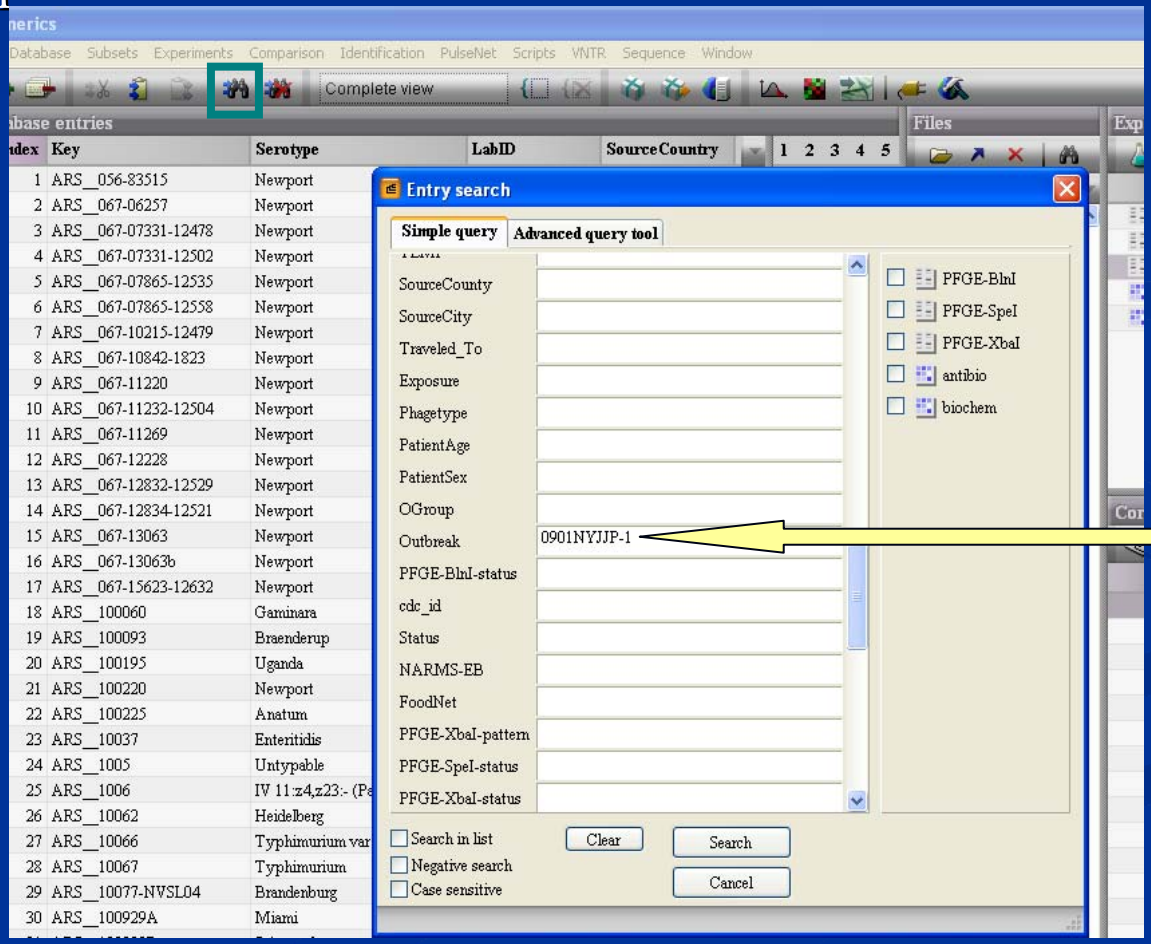
- Link imported isolates to the appropriate lane on the analyzed gel
- Check for spelling errors for serotype and demographic information
- Click on  to make sure:
  - No extra spaces
  - No spelling errors
  - Information matches the pull-down menus
  - Information is in the proper format
    - i.e. YYYY-MM-DD date format and 00:00:00 does NOT appear after the date
- Download can be performed each time the excel file is modified

Overview

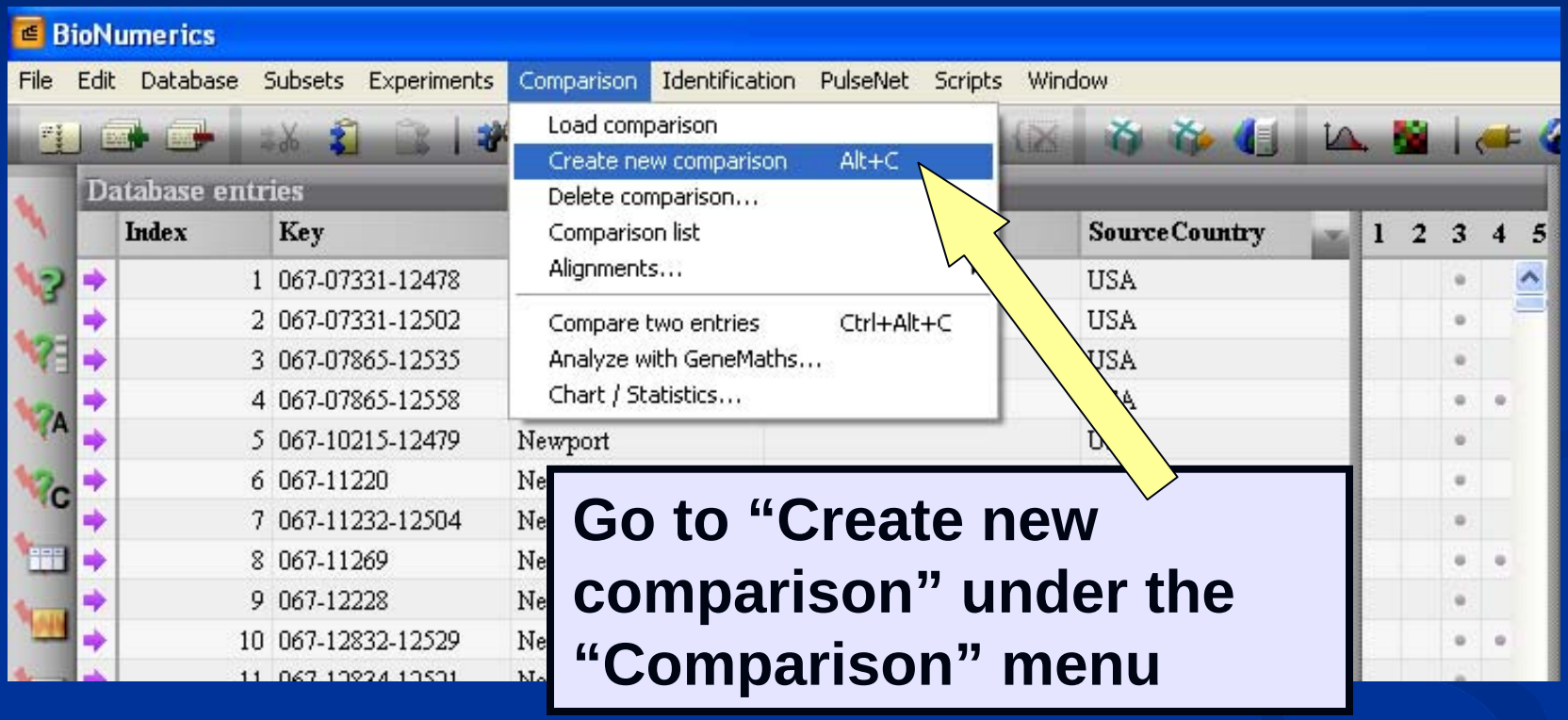
- Import Demographic Information
  - Create ODBC Link
  - Download Data
- **Export Data into Excel**

Export Data into Excel

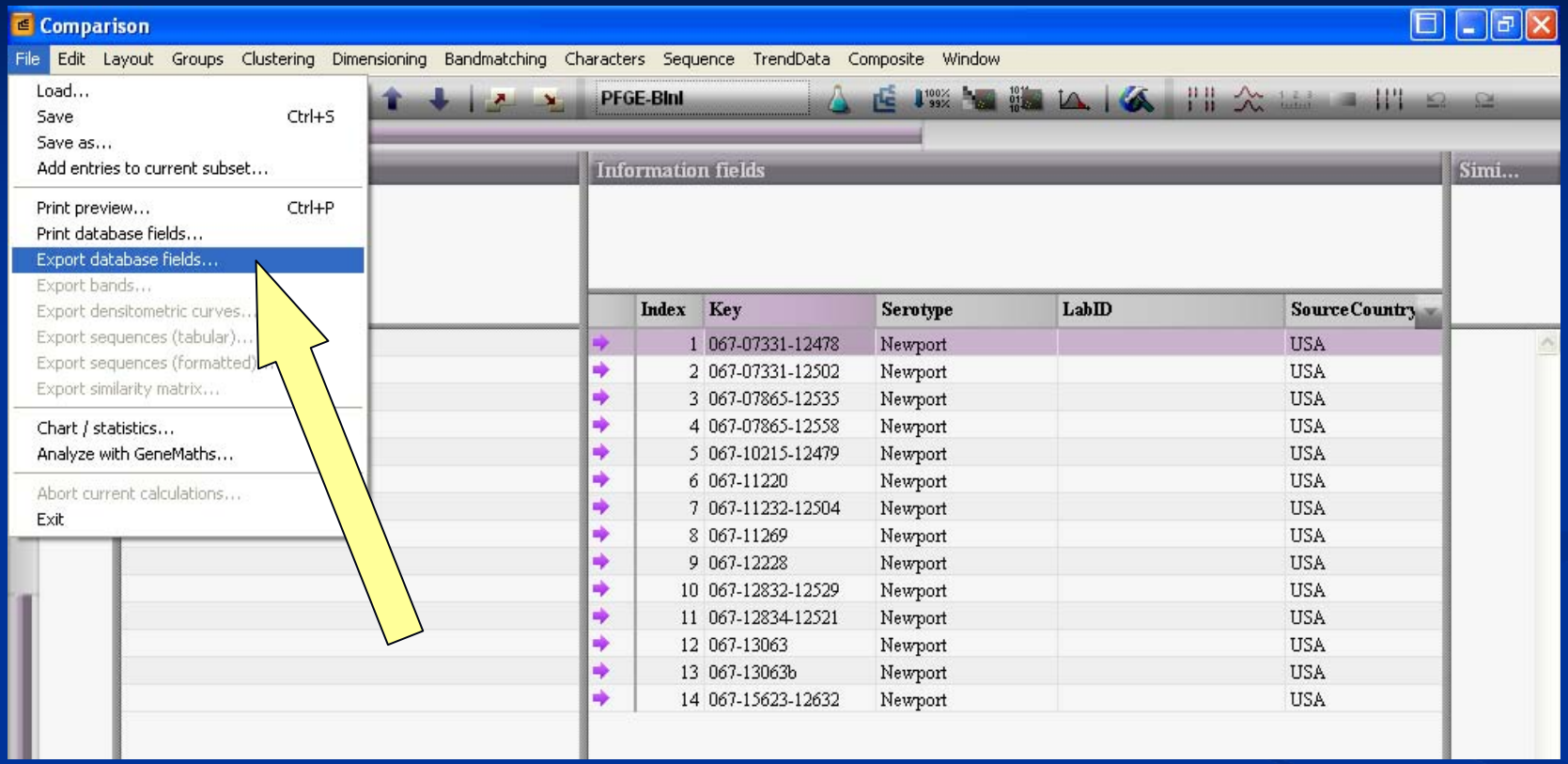
- Manually select isolates or select isolates by query (i.e., isolates that are in cluster 0901NYJJP-1) that you want to export into Microsoft Excel



Create New Comparison

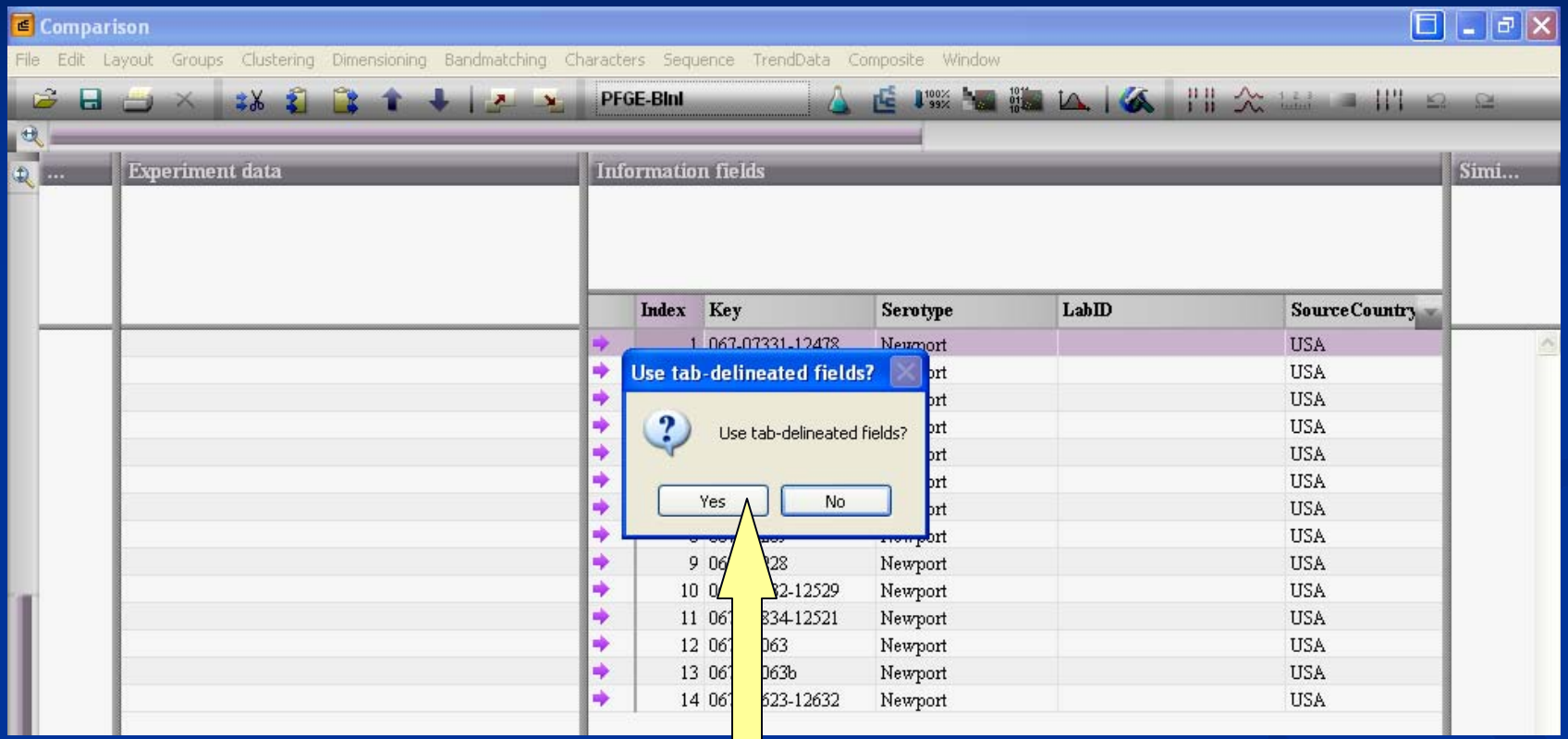


Export Data into Excel



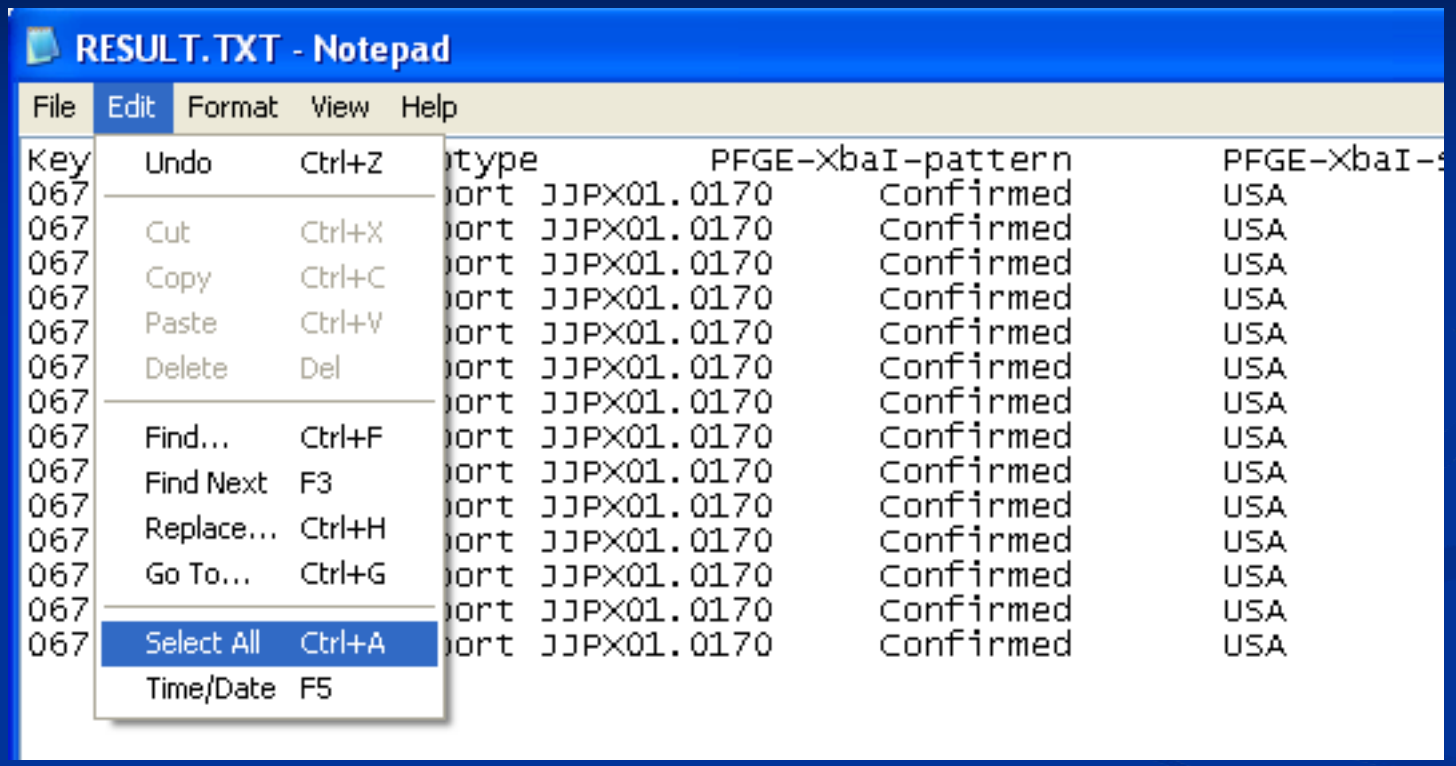
In the comparison screen of BioNumerics, select File→ Export database fields

Export Data into Excel



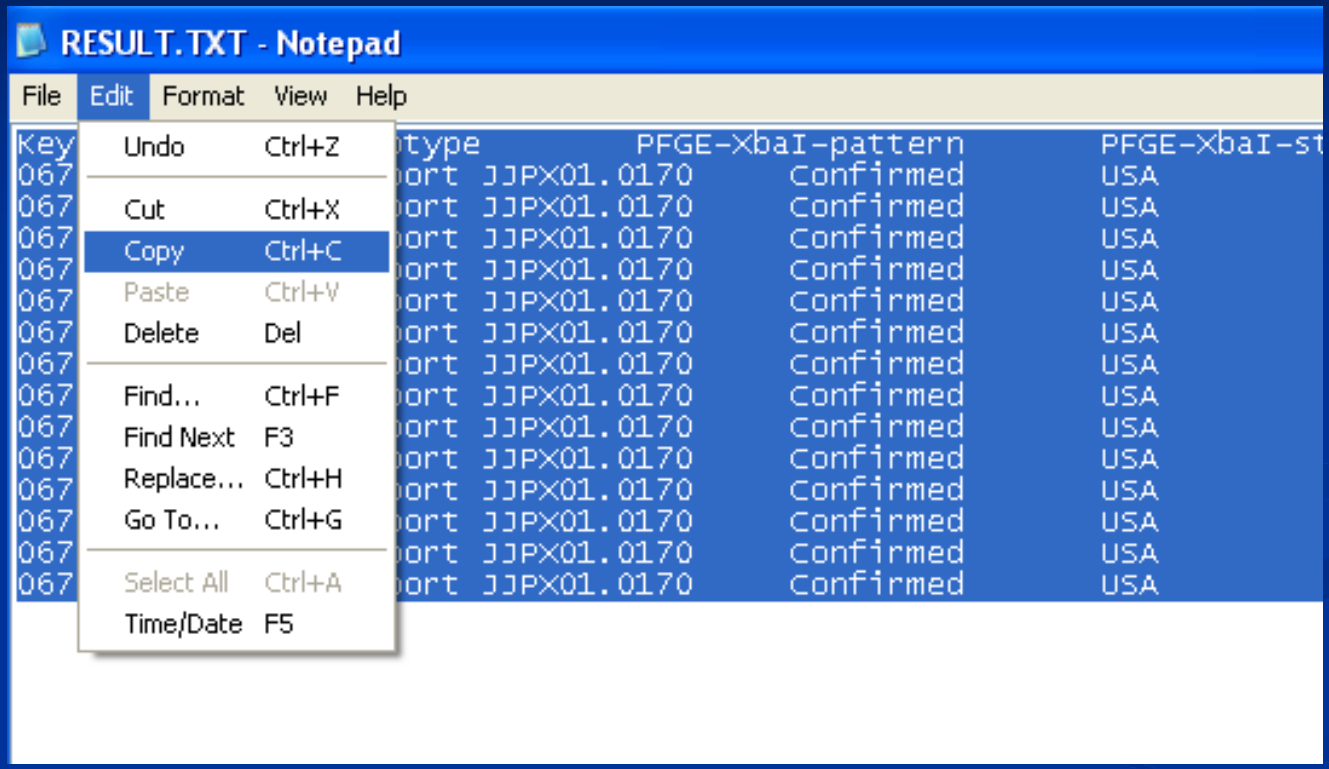
Press “Yes”

Export Data into Excel



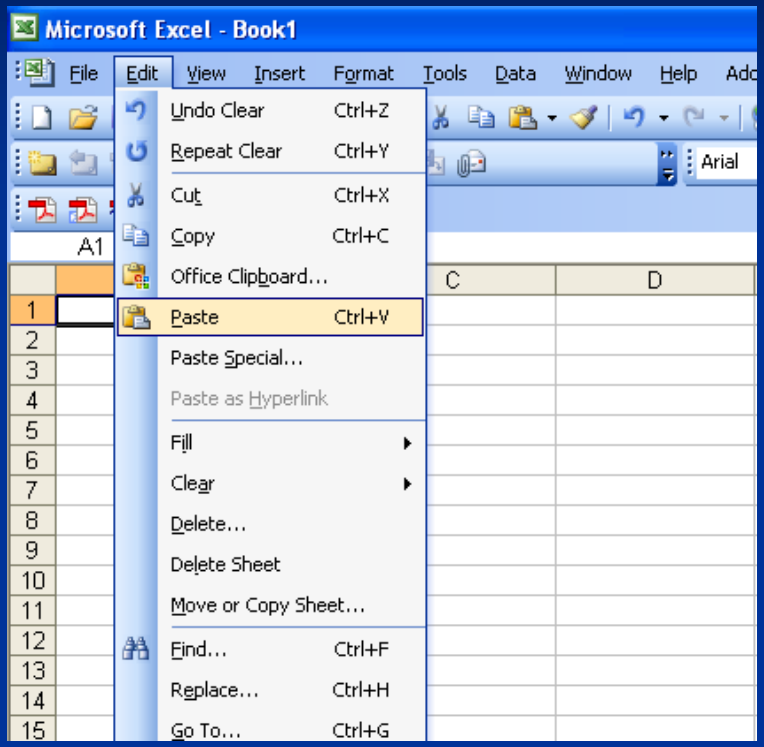
Select Edit→ Select All

Export Data into Excel



Select Edit→ Copy

Export Data into Excel



In an Excel file, Select Edit→ Paste

Microsoft Excel - Book1

File Edit View Insert Format Tools Data Window Help Adobe PDF

A1 Key

	A	B	C	D	E	F
1	Key	Serotype	PFGE-XbaI-pattern	PFGE-XbaI-status	SourceCountry	ReceivedDate
2	067-07331-12478	Newport	JJPX01.0170	Confirmed	USA	9/21/2006
3	067-07331-12502	Newport	JJPX01.0170	Confirmed	USA	9/21/2006
4	067-07865-12535	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
5	067-07865-12558	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
6	067-10215-12479	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
7	067-11220	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
8	067-11232-12504	Newport	JJPX01.0170	Confirmed	USA	9/21/2006
9	067-11269	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
10	067-12228	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
11	067-12832-12529	Newport	JJPX01.0170	Confirmed	USA	8/31/2006
12	067-12834-12521	Newport	JJPX01.0170	Confirmed	USA	8/31/2006

Summary

- Imported Demographic Information
  - Created ODBC Link
  - Downloaded Data
- Exported Data into Excel

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