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Data Comparison Tool Update

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New Features

- Standard Name search
 - Based on code from IRRI
 - Search for DT707, DT 707, dt 707, etc.
- All Studies Query
 - Displays a list of all loaded studies to user
- Genotypic Data queries
 - All queries now have options to search both phenotypic and genotypic databases
 - Option available through .ini file

New Features

- Line Vs. Line Comparison
 - Can search on any number of lines
 - Focuses on common studies
- Study Retriever
 - Handles studies that are not germplasm based (environmental, financial, etc)
 - Asks user to indicate an index factor (i.e. FarmerID, LocationID, etc) if not GID factor found

New Features

- Germplasm List Retriever
 - Searches for all germplasm in a SetGen list
 - Not restricted to common studies
 - Option to provide an output of studies each line is in
- Threaded Code
 - Improved speed by ~ 1/3 by threading the code (concurrent functions running at once)
- Updated code to reflect the ICIS 5.5 Schema
- Fixed general bugs/cosmetic problems
- More descriptive entries in the Methods table to help users understand the traits being displayed

VB.Net Issues

- Pros:
 - Very easy to use – many classes and objects already created
 - Deployment wizard for installation
 - Good performance
- Cons:
 - Frustrating interop issues with Microsoft Office applications
 - Hard wired to Microsoft Windows
 - Requires proper installation of .Net Framework on client computers

What's Next?

- Option to save queries
 - Skip the screen inputs when running the same query over and over
- Link genotypic queries with the GEMS database
 - Marker information
 - Molecular Variant information
 - Linkage information
- More testing on IWIS3 Central DMS and IRIS DMS databases



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