Summarizing Sequence Locations in a Family

In this example, we've used two new features in BizInt Smart Charts Reference Rows -- the "Create Subtable from Columns" tool and "Summarize All Values" rule -- to create a subtable summarizing key columns for sequences grouped by the Common Patent Family tool.

Subtable summarizing related sequences.

	Title	Database	Patent Family			Patent Sequence Location		
			Patent	Kind	Date	Sequence ID	Location	
9.	TRANSLOCATION AND MUTANT ROS KINASE IN HUMAN NON-SMALL CELL LUNG CARCINOMA	9.1 FAMPAT	WO 200784631	A2	20070726	WO20070084631-0006	Claim 1; SEQ ID NO 6; 127pp; English.	9.3
		9.2 FAMPAT	EP 1973946	A2	20081001	WO20070084631-0005	Claim 10; SEQ ID NO 5; 127pp; English.	9.4
		9.3 GENESEQ | link	WO 200784631	A3	20081231			
		9.4 GENESEQ | link	JP 2009523446	A	20090625	US20100143918-0005	claim: 1; 8	9.5
		9.5 GPATPRT | link	CN 101528921	A	20090909	US20100298404-0005	claim: 1; 10	9.6
		9.6 GPATPRT | link	US 20100143918	A1	20100610	EP1973946-0005	TBD (information not in GQ-Pat)	9.7
		9.7 GPATPRT | link	EP 1973946	A4	20100811	JP2009523446-0017	TBD (information not in GQ-Pat)	9.8
		9.8 GPATPRT | link	US 20100298404	A1	20101125	US20120208824-0003	probable disclosure (not found by automated parsing)	9.9
		9.9 GPATPRT | link				US20120208824-0004	probable disclosure (not found by automated parsing)	9.10
		9.10 GPATNUC | link				JP2009523446-0003	TBD (information not in GQ-Pat)	9.11
		9.11 GPATNUC | link				EP1973946-0006	TBD (information not in GQ-Pat)	9.12
		9.12 GPATNUC | link				US20100298404-0006	claim: 1	9.13
		9.13 GPATNUC | link				US20100143918-0006	claim: 1	9.14
		9.14 GPATNUC | link						
		9.1 FAMPAT				9.1 FAMPAT		
10.	METHOD FOR PREDICTION OF POSTOPERATIVE PROGNOSIS FOR PATIENT WITH PULMONARY ADENOCARCINOMA, AND COMPOSITION FOR USE IN THE PREDICTION	10.1 FAMPAT	WO 200743418	A1	20070419	WO20070043418-0014	Claim 12; SEQ ID NO 14; 95pp; Japanese.	10.2
		10.2 GENESEQ | link	JP 2007097486	A	20070419	JP2007097486-0014	TBD (information not in GQ-Pat)	10.3
		10.3 GPATNUC | link				WO2007043418-0014	TBD (information not in GQ-Pat)	10.4
		10.4 GPATNUC | link						
		10.1 FAMPAT				10.1 FAMPAT		

Summarizing Sequence Locations in a Family - How did we create this?

Searches:

- GenomeQuest – sequence search from GQPAT and/or GENESEQ.
- Orbit.com – families corresponding to the sequences.

BizInt Smart Charts for Patents (Version 3.5.6 or higher)

1. Import each set of results into BizInt Smart Charts for Patents to create .CHP files.
2. Use the File | Combine fature to create a single combined chart. Run the Identify Common Patent Families tool.
3. Display the Sequence ID and Patent Sequence Location columns (View| Columns).
4. Change the title on the Patent Sequence Location column to "Location" (by double-clicking on the column header).
5. Save the .CHP file.
6. Send the chart to Reference Rows using the toolbar icon (or File menu entry).

BizInt Smart Charts Reference Rows (Version 1.0.6 or higher)

7. During the Create Reference Rows wizard, make sure that FAMPAT is listed as the first database.
8. When the wizard finishes, run the "Create Subtable from Columns" tool.
9. Select the Sequence ID and Location columns in that order and press Apply. A new column will be created.
10. Rename the new column from "Untitled Subtable" to "Patent Sequence Location".
11. Hide the original Sequence ID and Location columns.
12. Change the Column Rule for the new column to "Summarize All Values".
13. Export the report to HTML in order to see the subtable column summarizing the Sequence ID and Location data.