



Software for
Business Intelligence

BizInt Smart Charts

Patents & IP Sequences | Clinical Trials | Drug Pipelines



Creating IP Reports with BizInt Smart Charts: Tips & Tricks

PIUG 2017 Annual Conference, Atlanta GA

John Willmore, Vice-President

21 May 2017

www.bizint.com

BizInt HQ has moved to the Seattle area!



Bossa earns her AKC agility championship



Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- Summary Records
- Your questions

Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- Summary Records
- Your questions



BizInt Smart Charts

VERSION

4

for Patents

Patent Databases

Provide data on patents filed worldwide

- STN – Classic & New
- Questel Orbit.com (incl **FULLPAT**)
- Minesoft PatBase
- Innovation, Cortellis IP, Integrity Patents
- LexisNexis TotalPatent
- GQ Life Sciences LifeQuest



Orbit.com: Improved Family Status table and Key Content

Title	Family Status				Object of Invention	Advantages / Drawbacks
	Pub No.	State	Status	Expiry		
Engineering and optimization of improved systems, methods and enzyme compositions for sequence manipulation	WO201493635A1	DEAD	LAPSED	2015-06-12	<p>[0009] In one aspect, the invention provides methods for using one or more elements of a CRISPR system.</p> <p>[0011] Also provided are uses of the present sequences, vectors, enzymes or systems, in medicine. Also provided are the same for use in gene or genome editing. Also provided is use of the same in the manufacture of a medicament for gene or genome editing, for instance treatment by gene or genome editing. [CONT.]</p>	<p>These are advantageous as when singly mutated they provide nickase activity and when both mutations are present the Cas9 is converted into a catalytically null mutant which is useful for generic DNA binding.</p> <p>[0025] It will be appreciated that the terms Cas and CR ISPR enzyme are general!)? [CONT.]</p>
	WO201493635A1	ALIVE	PENDING	2033-12-12		
	US20140186919A1	ALIVE	PENDING	2033-12-12		
	US8865406B2	ALIVE	GRANTED	2033-12-12		
	US8889418B2	ALIVE	GRANTED	2033-12-12		
	US20140335620A1	ALIVE	GRANTED	2033-12-12		
	EP2898075A1	ALIVE	GRANTED	2033-12-12		
	JP2016501532A	ALIVE	PENDING	2033-12-12		
	AU2013359212A1	ALIVE	PENDING	2033-12-12		
	IL239315A	ALIVE	PENDING	2033-12-12		
	SG11201504519TA	ALIVE	PENDING	2033-12-12		
	KR20150105634A	ALIVE	PENDING	2033-12-12		
	CN105209621A	ALIVE	PENDING	2033-12-12		
	HK1207119A1	ALIVE	GRANTED	2033-12-12		
Crispr/cas-related methods and compositions for treating leber's congenital amaurosis 10 (lca10)	WO2015138510A1	ALIVE	PENDING	2035-03-10	<p>In another aspect, disclosed herein is a nucleic acid, e.g., an isolated or nonnaturally occurring nucleic acid, e.g., DNA, that comprises (a) a sequence that encodes a gRNA molecule comprising a targeting domain that</p>	<p>Unilateral subretinal injections of adeno-associated virus particles carrying constructs encoding the wild- type RPE65 cDNA were shown to be safe and moderately effective in some patients, without causing any adverse effects.</p>
	US20150252358A1	ALIVE	PENDING	2035-03-10		

Family Status table
(including Kind Code)

Key Content

Orbit.com: FULLPAT support including top line legal status

FULLPAT: fullpat_sample

	Title	Questel Family ID	Patent Family			Status Details			
			Patent	Kind	Date	Pub No.	State	Status	Expiry
1	Methods and compositions for target detection in a nanopore using a labelled polymer scaffold	74634926	WO2016187159	A2	2016-11-24	WO 2016187159 A2	ALIVE	PENDING	2018-11-15
			WO2016187159	A3	2016-12-29				
2	Delivery system for functional nucleases	68771523	US20150071906	A1	2015-03-12	US 9526784 B2	ALIVE	GRANTED	2034-08-18
			US9526784	B2	2016-12-27				
3	Efficient non-meiotic allele introgression	68723127	US20150067898	A1	2015-03-05	US 9528124 B2	ALIVE	GRANTED	2034-10-09
			US9528124	B2	2016-12-27				
4	Cell cycle dependent genome regulation and modification	74986865	WO2016210271	A1	2016-12-29	WO 2016210271 A1	ALIVE	PENDING	2018-12-24

Status Details table
(like Family Status)

PatBase: Support for Dead/Alive flags

PatBase: patbase_da_tags							
	Title	Patent Family			Family Status		State
		Patent	Kind	Date	Pub No.	State	
1	Gyroscopic space ship/station with docking mechanism	WO 9819911	A2	1998-05-14	WO 9819911 A2	ALIVE	ALIVE
		WO 9819911	A3	1998-07-09	WO 9819911 A3	ALIVE	
		US 6045094	A	2000-04-04	US 6045094 A	DEAD	
		CA2268724	AA	2000-10-14	CA2268724 AA	DEAD	
		CA2268724	C	2007-10-30	CA2268724 C	DEAD	
		JP 2001524044	T2	2001-11-27	JP 2001524044 T2	DEAD	
		JP 4026840	B2	2007-12-26	JP 4026840 B2	ALIVE	
2	De-orbit instrument package	CA2365758	AA	2002-06-20	CA2365758 AA	DEAD	ALIVE
		US 2002109047	A	2002-08-15	US 2002109047 A	ALIVE	
		US 2004124313	A	2004-07-01	US 2004124313 A	ALIVE	
		US 6869048	BB	2005-03-22	US 6869048 BB	ALIVE	
	SYSTEM WHEREIN INDIVIDUAL CAN VIEW LANDSCAPE OF TRAVEL/LANDSCAPE OF TRAVEL TO SPACE SUCH AS SPACE OBSERVATION/EARTH OBSERVATION/MARS IN REAL TIME ON INDIVIDUAL PERSONAL	JP 2006051945	A2	2006-02-23	JP 2006051945 A2	ALIVE	ALIVE

Family Status table
(including Kind Code)

PatBase: selection of relevant claims

	Title	Patent Family			Claims
		Patent	Kind	Date	
1	A METHOD FOR PRODUCING PRECISE DNA CLEAVAGE USING CAS9 NICKASE ACTIVITY	AU 2014273082	AA	2014-12-04	WO14191518A1 CLAIMS 1. A method for precisely inducing a nucleic acid cleavage in a genetic sequence in a cell comprising: (a) Selecting a first and second double-stranded nucleic acid targets in said genetic sequence, each nucleic acid targets comprising, on one strand, a PAM motif at one 3' extremities; [CONT.]
		WO 14191518	A1	2014-12-04	
		CA2913865	AA	2015-11-27	
2	GENOME ENGINEERING	WO 15013583	A2	2015-01-29	US2015031132A 1. A method of altering target DNA in a stem cell expressing a Cas 9 enzyme that forms a co-localization complex with a guide RNA complementary to the target DNA and that cleaves the target DNA in a site specific manner comprising (a) introducing into the stem cell a first foreign nucleic acid encoding the guide RNA complementary to the target DNA and which guides the enzyme to the [CONT.]
		WO 15013583	A8	2015-03-05	
		WO 15013583	A3	2015-04-23	
		US 2015031133	A	2015-01-29	
		US 2015031132	A	2015-01-29	
		AU 2014293015	AA	2015-01-29	
		CA2918540	AA	2016-01-15	
3	METHODS FOR CORRECTING CASPASE-9 POINT MUTATIONS	WO 15089406	A1	2015-06-18	US9068179B 1. A method of editing a nucleic acid molecule encoding a Presenilin1 (PSEN1) protein, the method comprising contacting the nucleic acid molecule with (a) a fusion protein comprising a nuclease-inactive Cas9 domain and a deaminase domain; and (b) a single guide RNA (sgRNA) targeting the fusion protein of (a) to the PSEN1-encoding nucleic acid molecule; [CONT.]
		US 2015166985	A	2015-06-18	
		US 2015166984	A	2015-06-18	
		US 2015166983	A	2015-06-18	
		US 2015166982	A	2015-06-18	
		US 2015166981	A	2015-06-18	
		US 2015166980	A	2015-06-18	
		US 2015165054	A	2015-06-18	
		US 9068179	B	2015-06-30	

PatBase & Orbit: Abstract and Claims source document identified

	Title	Database	Patent Family			Abstract	Claims
			Patent	Kind	Date		
1	PROCESSED EDIBLE PRODUCT COMPRISING A POLYELECTROLYTE COMPLEX AND AN ANTIMICROBIAL COMPOUND	PatBase	WO 15034360	A1	2015-03-12	Source: WO15034360A1 The invention related to a processed edible product comprising a complex of at least one antimicrobial compound and a polyelectrolyte complex of a polyanion and a polycation. The invention further relates to a method for producing a processed edible product comprising a complex of at least one antimicrobial compound and a polyelectrolyte complex of a polyanion and a polycation, [CONT.]	WO15034360A1 Claims 1. A processed edible product comprising a complex of at least one antimicrobial compound and a polyelectrolyte complex of a polyanion and a polycation.
2	Method and system for controlling a cutting torch	FAMPAT	WO 201182492 US 20130221585 US 9011758	A1 A1 B2	2011-07-14 2013-08-29 2015-04-21	(WO201182492) A system for controlling a temperature of a flame of a torch for cutting a piece of material, comprising: a valve system fluidly connectable to an oxygen source and a fuel source for receiving a heating oxygen flow and a fuel flow, respectively, and the torch for propagating the heating oxygen and fuel flows thereto, the valve system comprising at least a first adjustable valve and [CONT.]	(WO201182492) 1. A system for controlling a temperature of a flame of a torch for cutting a piece of material, comprising: a valve system fluidly connectable to an oxygen source and a fuel source for receiving a heating oxygen flow and a fuel flow, respectively, and the torch for propagating the heating oxygen and fuel flows thereto, the valve system comprising at least a first adjustable valve [CONT.]



for Patents

Literature Databases

Provide data on technical and scientific publications

- Biomedical (Embase, Biosis, Medline)
- Scientific (SciSearch, Chemical Abstracts, PQSciTech, etc)
- Technical (INSPEC, RAPRA, GEOREF, etc.)
- Hosts: STN (Classic & New),
ProQuest Dialog, Ovid, PubMed



BizInt Smart Charts

VERSION

4

for Patents

IP Sequence Databases

Provide data on sequences filed in patents

- GQ Life Sciences GenomeQuest (Geneseq, GQ-PAT)
- STN (USGENE, DGENE, PCTGEN)



Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- Summary Records
- Your questions

Using Reference Rows - unique content

Database	Family Status				Probable Assignee
	Pub No.	State	Status	Expiry	
Derwent World Patents Index					
Derwent World Patents Index					
GQPAT Gold+ Proteins					
GQPAT Gold+ Proteins					
PatBase					PRESIDENT AND FELLOWS OF HARVARD COLLEGE ✓
FAMPAT	US 20140356956 A1	ALIVE	PENDING	2034-06-04 ✓	
	US 9267135 B2	ALIVE	GRANTED	2034-06-04	

Using Reference Rows - rankings

	Title	Database	Patent Family		
			Patent	Kind	Date
1 .1	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	Derwent World Patents Index	US20140356959	A1	20141204
1 .2	Altering a target nucleic acid in a cell involves RNAs and Cas9 protein nickase co-localize to DNA target nucleic acid and nick the target nucleic acid resulting in adjacent nicks	Derwent World Patents Index	US20140356956 WO2014197568 WO2014197568 CA2914638	A1 A2 A3 A1	20141204 20141211 20150312 20141211
1 .3	RNA-Guided Transcriptional Regulation	GQPAT Gold+ Proteins	US20140356959		20141204
1 .4	RNA-Guided Transcriptional Regulation	GQPAT Gold+ Proteins	US20140356956		20141204
1 .5	RNA-GUIDED TRANSCRIPTIONAL REGULATION	PatBase	US 2014356959 US 2014356956 AU 2014274939 WO 14197568 WO 14197568 CA 2914638 KR 20160014036	A A AA A2 A3 AA A	2014-12-04 2014-12-04 2014-12-11 2014-12-11 2015-03-12 2015-12-04 2016-02-05
1 .6	RNA-Guided Transcriptional Regulation	FAMPAT	US 2014356956 US 2014356959 US 9267135	A1 A1 B2	2014-12-04 2014-12-04 2016-02-23

Using Reference Rows - column rules

	Title	Database	Patent Family		
			Patent	Kind	Date
1	Modulating expression of a target nucleic acid	Derwent World	US20140356959	A1	20141204
<div> <div>Column Rule - Patent Family</div> <div> <div>Patent Family</div> <div>Choose how Reference Rows will select data for this column.</div> <div> <div>Selection Rule: Most Content (lines)</div> <div>Match column: <div> Use database ranking Earliest Date Latest Date Most Content (characters) Least Content (characters) Most Content (lines) Highest Development Phase Most Recently Updated Match Column Highest Number Lowest Number Closest to Zero Summarize All Values Summarize Unique Values </div> </div> <div> <div>Database Ranking for</div> <div> Derwent World Patent GQPAT Gold+ Protein PatBase FAMPAT </div> </div> <div> <div>Move Up</div> <div>Move Down</div> </div> <div> <div>OK</div> <div>Cancel</div> </div> </div> </div> </div>					
			S20140356956	A1	20141204
			O2014197568	A2	20141211
			O2014197568	A3	20150312
			A2914638	A1	20141211
			S20140356959		20141204
			S20140356956		20141204
			S 2014356959	A	2014-12-04
			S 2014356956	A	2014-12-04
			J 2014274939	AA	2014-12-11
			O 14197568	A2	2014-12-11
			O 14197568	A3	2015-03-12
			A2914638	AA	2015-12-04
			KR 20160014036	A	2016-02-05
1	RNA-Guided Transcriptional Regulation	FAMPAT	US 2014356956		2014-12-04
.6			US 2014356959	A	2014-12-04
			US 9267135	B2	2016-02-23

Using Reference Rows - "Summarize" rule

Sequence Locations

Column Rule - Sequence Locations

Sequence Locations

Choose how Reference Rows will select data for this column.

Selection Rule: Summarize All Values

Match column: Use database ranking
Earliest Date
Latest Date
Most Content (characters)
Least Content (characters)
Most Content (lines)
Highest Development Phase
Most Recently Updated
Match Column
Highest Number
Lowest Number
Closest to Zero
Summarize All Values
Summarize Unique Values

Database Ranking for
Derwent World Patent
GQPAT Gold+ Protein
PatBase
FAMPAT

Move Up
Move Down

OK

Cancel

Location
in the group.
robable disclosure not found by automated parsing)
robable disclosure not found by automated parsing)

Reference Rows integrated report

CAS-9 - GenomeQuest, PatBase, DWPI (new STN), FAMPAT

	Title	Database	Patent Family			Family Status				Probable Assignee	Sequence Locations				
			Patent	Kind	Date	Pub No.	State	Status	Expiry		Seq. ID Number	% Identity	Length	Location	
1.	Altering a target nucleic acid in a cell by introducing into the cell a first foreign nucleic acid encoding guide RNA sequences complementary to DNA, and introducing into the cell a second foreign nucleic acid encoding a Cas9 protein	1.1 DWPI	US20150140664	A1	20150521	WO 201577290 A2	ALIVE	PENDING	2034-11-19	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	US20150140664-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.2
		1.2 GPATPRT link	WO2015077290	A2	20150528	US 20150140664 A1	ALIVE	PENDING	2034-06-30						
		1.3 Patbase link	WO2015077290	A3	20150806										
		1.4 FAMPAT link													
		1.1 DWPI			1.4 FAMPAT										
2.	New bacteriophage comprises polynucleotide expressing RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI	WO 15070193	A1	2015-05-14	WO 201570193 A1	ALIVE	PENDING	2034-11-11	RADIANT GENOMICS INC	US20150132263-0002	100.00	1368	claim: 19; 20	2.3
		2.2 DWPI	US 2015132263	A	2015-05-14	US 20150132263 A1	ALIVE	PENDING	2034-11-11		US20150353901-0002	100.00	1368	claim: 19; 20	2.4
		2.3 GPATPRT link	US 2015353901	A	2015-12-10										
		2.4 GPATPRT link													
		2.5 Patbase link													
		2.6 FAMPAT link													
		2.1 DWPI			2.5 Patbase						2.6 FAMPAT			2.5 Patbase	
3.	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	3.1 DWPI	US 2014356959	A	2014-12-04	US 20140356956 A1	ALIVE	PENDING	2034-06-04	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	US20140356959-0001	100.00	1368	probable disclosure (not found by automated parsing)	3.3
		3.2 DWPI	US 2014356956	AA	2014-12-04	US 9267135 B2	ALIVE	GRANTED	2034-06-04						
		3.3 GPATPRT link	AU 2014274939	AA	2014-12-11										
		3.4 GPATPRT link	WO 14197568	A2	2014-12-11										
		3.5 Patbase link	WO 14197568	A3	2015-03-12										
		3.6 FAMPAT link	CA 2914638	AA	2015-12-04										
			KR 20160014036	A	2016-02-05										
3.1 DWPI			3.5 Patbase			3.6 FAMPAT			3.5 Patbase						

Reference Rows integrated report

CAS-9 - GenomeQuest, PatBase, DWPI (new STN), FAMPAT

	Title	Database	Patent Family			Family Status			
			Patent	Kind	Date	Pub No.	State	Status	Expiry
1.	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	1.1 DWPI	US 2014356959	A	2014-12-04	US 20140356956 A1	ALIVE	PENDING	2034-06-04
		1.2 DWPI	US 2014356956	A	2014-12-04				
		1.3 GPATPRT link	AU 2014274939	AA	2014-12-11	US 9267135 B2	ALIVE	GRANTED	2034-06-04
		1.4 GPATPRT link	WO 14197568	A2	2014-12-11				
		1.5 Patbase link	WO 14197568	A3	2015-03-12				
		1.6 FAMPAT link	CA 2914638	AA	2015-12-04				
2.	New bacteriophage comprises polynucleotide expressing RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI	WO 15070193		2015-05-14	WO 201570193 A1	ALIVE	PENDING	2034-11-11
		2.2 DWPI	US 2015132263	A	2015-05-14				
		2.3 GPATPRT link	US 2015353901	A	2015-12-10	US 20150132263 A1	ALIVE	PENDING	2034-11-11
		2.4 GPATPRT link				US 20150353901 A1	ALIVE	PENDING	2034-11-11
		2.5 Patbase link							
		2.6 FAMPAT link							

Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- Summary Records
- Your questions

Updating reports

- File | Update
- The “key” chart is your baseline - your existing report, against which new data is compared
- Rows from the baseline are copied in order to the new chart... new records added at bottom... changed records remain in position from baseline chart.

Updating reports

PatBase: Natamycin_Update

	Title	Row Status	Patent Family			Priority Data
			Patent	Kind	Date	Number
1	PROCESSED EDIBLE PRODUCT COMPRISING A POLYELECTROLYTE AND AN ANIONIC COMPOUND	Unchanged	WO 15034360	A1	2015-03-12	EP20130183018
2	SYNERGIC COMPOSITIONS OF LACTOPEROXIDASE AND AN ANIONIC COMPOUND					

Sort Rows

Columns:

- Abstract
- Application Date
- Application Number
- Citations
- Claims
- CPC
- Designated States
- ECLA Class
- Forward Citations
- Full Text Link
- International Patent Class
- Inventor(s)
- Inventor(s) (Non-standardized)
- Latest Legal Status
- Legal Status

Sort Order:

Row Status

Sort

Cancel

Help...

Ascending

Alternate row shading when primary sort key changes

Sort Row Status (descending) to bring new content to top, followed by changes

Updating reports

PatBase: Natamycin_Update									
	Title	Row Status	Patent Family			Priority Data		Applications	
			Patent	Kind	Date	Number	Date	Application	Date
2	SUBMICRON NATAMYCIN PARTICLE	Added	WO 15044465	A2	2015-04-02	EP20140167408	2014-05-07	WO2015EP50647	2015-01-15
			WO 15044465	A3	2015-05-21	EP20140192514	2014-11-10	WO2015EP50647	2015-01-15
3	COMPOSITION COMPRISING A PESTICIDAL TERPENE MIXTURE AND A FUNGICIDE	Updated	WO 14020109	A1	2014-02-06	EP20120179145	2012-08-03	WO2013EP66178	2013-08-01
			AU 2013298562	AA	2014-02-06	WO2013EP66178	2013-08-01	AU20130298562	2013-08-01
			CA2880671	AA	2015-01-30			CA20132880671	2013-08-01
			AR 091953	AA	2015-03-11			AR2013P102729	2013-08-01
			KR 20150041638	A	2015-04-16			KR20157004997	2013-08-01

Updating reports (family oriented)

- “Added” means this is a new family in this report
- “Updated” means the family was seen before but has new/changed information
- “Unchanged” means the family has not changed from the baseline

Updating reports (publication level)

- “Added” means this is a new publication in this report
- “Updated” means the publication has been changed (typically added indexing)
- “Unchanged” means the publication has not changed from the baseline

But what can we tell about the invention?

Updating reports (publication level data)

Natamycin_Innovation_Updated						
	Title	Common Family	Row Status	Database	US Patent Number	Pate
1	Agricultural product used for e.g. controlling plant disease and treating fungal diseases caused by fungi such as Fusarium semitectum comprises polyene antifungal compound and antifungal compound from family of strobilurin fungicides	WO 2012117049	Unchanged	Thomson Innovation + DWPI	US 20130324402 A1 US 9034792 B2	DSM IP, DSM IN, PROPE, MANAGI
2	Treating/preventing occurrence/recurrence of Clostridium difficile infection by administering composition comprising two purified bacterial populations comprising bacteria having 16S ribosomal RNA sequence identical to reference bacterium	US 20140199281	Unchanged			RES
	Processing biomass to produce e.g. feed products, antibiotics involves processing polysaccharide based biomass using e.g. pyrolysis, sonication to form processed material with low recalcitrance level followed by microbial conversion	WO 2009134791	Unchanged			ECC

Records
Record on Publisher Website
Publisher Images
Column Properties...
Row Properties...
Add Row
Hide Row
Move Row
Hide Column
Sort...
Statistics...
Highlight cells
Highlight rows
Cut
Copy
Paste
Font

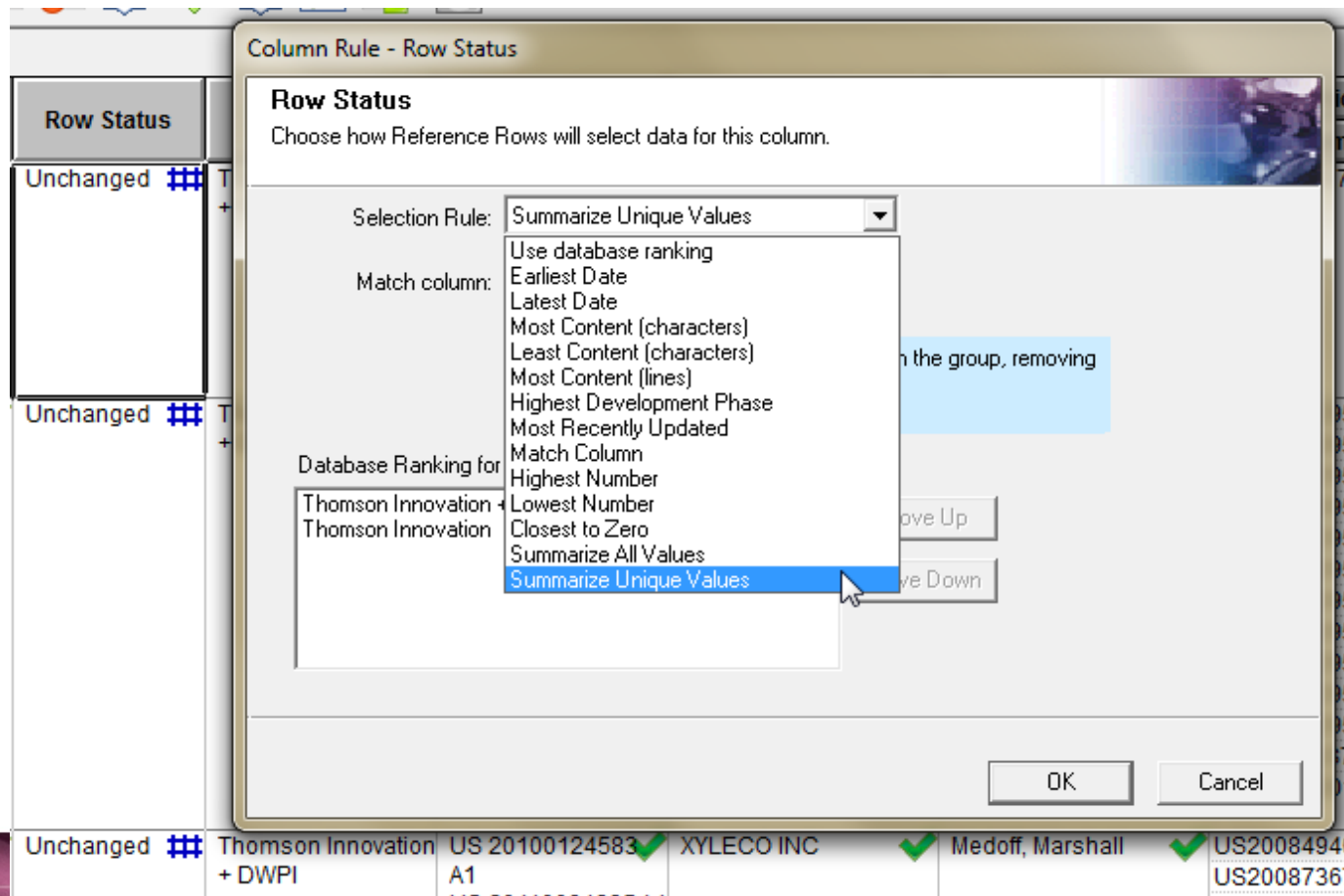
Updating reports (publication level data)

- Thomson Innovation
natamycin & ic=A23 & PD>=2011
- At the publication level we see:

	A	B
1	Row Status	Count
2	Unchanged	241
3	Added	150

Updating reports (publication level data)

- Send updated chart to Reference Rows



Updating reports (publication level data)

- Statistics on the Summarized Row Status

	A	B
1	Row Status	Count
2	Unchanged	93
3	Added	43
4	Unchanged	1
5	Added	53
6		

Updating reports (publication level data)

Natamycin_Innovation_Updated							
	Title	Common Family	Row Status	Patent Family			Patent Assignee
				Patent	Kind	Date	
149.1	Composition, useful for protecting product including food product, feed product, pharmaceutical product, cosmetic product and agricultural product against fungi, comprises polyene antifungal compound and lactoperoxidase system	WO 2014083048	Unchanged	WO 2014083048	A1	2014-06-05	DSM IP ASSETS BV
149.2	Composition, useful for protecting product including food product, feed product, pharmaceutical product, cosmetic product and agricultural product against fungi, comprises polyene antifungal compound and lactoperoxidase system	WO 2014083048	Added	WO 2014083048 EP 2925167 US 20150282489 CN 104883912	A1 A1 A1 A	2014-06-05 2015-10-07 2015-10-08 2015-09-02	DSM INTELLECTUAL PROPERTY ASSETS MANAGE DSM IP ASSETS BV RAVENSBERG W J STARK J WEBER F J
149.3	Composition, useful for protecting product including food product, feed product, pharmaceutical product, cosmetic product and agricultural product against fungi, comprises polyene antifungal compound and lactoperoxidase system	WO 2014083048	Added	WO 2014083048 EP 2925167 US 20150282489 CN 104883912	A1 A1 A1 A	2014-06-05 2015-10-07 2015-10-08 2015-09-02	DSM INTELLECTUAL PROPERTY ASSETS MANAGE DSM IP ASSETS BV RAVENSBERG W J STARK J WEBER F J

Updating reports (publication level data)

Visualize results:

- Create subtable
- Summarize all values
- Export

Family Status		
Pub. Number	Row Status	

WO 2014179204 A1	Unchanged	153.1
US 20160095331 A1	Added	153.2
EP 2991504 A1	Added	153.3

WO 2015024751 A1	Unchanged	154.1
EP 3062626 B1	Added	154.2
EP 3062626 A1	Added	154.3

WO 2015034360 A1	Unchanged	155.1
US 20160213051 A1	Added	155.2
EP 3041367 A1	Added	155.3

Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- **Summary Records**
- Your questions

“Summary Record” export

1.	Title: Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein			
	Database: Derwent World Patents Index Derwent World Patents Index GQPAT Gold+ Proteins GQPAT Gold+ Proteins PatBase FAMPAT			
	Patent Family:	Patent	Kind	Date
		US 2014356959	A	2014-12-04
		US 2014356956	A	2014-12-04
		AU 2014274939	AA	2014-12-11
		WO 14197568	A2	2014-12-11
		WO 14197568	A3	2015-03-12
		CA 2914638	AA	2015-12-04
		KR 20160014036	A	2016-02-05
	Probable Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE			
	Sequence Locations:	Seq. ID Number	% Identity	Length
		US20140356959-0001	100.00	1368
		US20140356956-0001	100.00	1368
				probable disclosure (not found by automated parsing)
				probable disclosure (not found by automated parsing)
	Notes – please provide further detail on this...			
	Claims:			
	1. A method of modulating expression of a target nucleic acid in a cell comprising providing to the cell a guide RNA complementary to the target nucleic acid sequence including a transcriptional activator or repressor domain as a fusion protein for modulating target nucleic acid expression in vivo, providing to the cell a nuclease null Cas9 protein that interacts with the guide RNA and binds to the target nucleic acid sequence in a site specific manner, wherein the guide RNA including the transcriptional activator or repressor domain as a fusion protein and the Cas9 protein co-localize to the target nucleic acid sequence and wherein the transcriptional activator or repressor domain modulates expression of the target nucleic acid			

New “Summary Record” export

1.	Title: RNA-GUIDED TRANSCRIPTIONAL REGULATION				
	Database: PatBase GQPAT Gold+ Proteins GQPAT Gold+ Proteins				
	Patent Family:	Patent	Kind	Date	
		US 2014356959	A	2014-12-04	
		US 2014356956	A	2014-12-04	
		AU 2014274939	AA	2014-12-11	
		WO 14197568	A2	2014-12-11	
		WO 14197568	A3	2015-03-12	
		CA 2914638	AA	2015-12-04	
		KR 20160014036	A	2016-02-05	
	Probable Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE				
	Organism Species: Streptococcus pyogenes				
	Sequence Summary:	Seq. ID Number	Location	% Identity	Length
		US20140356956-0001	probable disclosure (not found by automated parsing)	100.00	1368
		US20140356959-0001	probable disclosure (not found by automated parsing)	100.00	1368
Alignment:					
Q:	1	MDKKYSIGLDIGTNSVGWAVITDEYKVPSSKKFKVLGNTDRHSIKKNLIGALLFDSGETAE			60
S:	1	MDKKYSIGLDIGTNSVGWAVITDEYKVPSSKKFKVLGNTDRHSIKKNLIGALLFDSGETAE			60
Q:	61	ATRLKRTARRRYTRRKNRICYLQEIFSNEMAKVDDSFHRLVESFLVEEDKKHERHPIFG			120
S:	61	ATRLKRTARRRYTRRKNRICYLQEIFSNEMAKVDDSFHRLVESFLVEEDKKHERHPIFG			120
Q:	121	NIVDEVAYHEKYPTIYHLRKKLV DSTDKADLRLLIYLA LAHMIKFRGHFLIEGDLNPDNSD			180
S:	121	NIVDEVAYHEKYPTIYHLRKKLV DSTDKADLRLLIYLA LAHMIKFRGHFLIEGDLNPDNSD			180
Q:	181	VDKLFIQLVQTYNQLFEENPINASGVDAKAIL SARLSKSRRLLENLIAQLPGEKKNGLFGN			240

Agenda

- New content
- Integrating data with Reference Rows
- Updating reports
- Summary Records
- Your questions



Software for
Business Intelligence

BizInt Smart Charts

Questions?

Don't forget to
visit us in the exhibit
hall to learn more!

www.bizint.com