

Patents & IP Sequences | Clinical Trials | Drug Pipelines

Creating IP Sequence Reports from Multiple Sources

Based on our workshop at the PIUG Biotechnology Conference 17 March 2020

John Willmore, VP Product Development

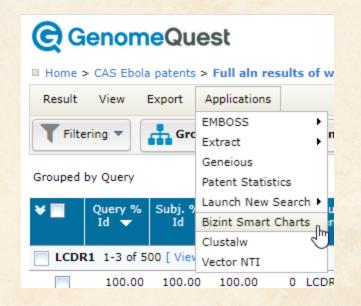
www.bizint.com

Today's Agenda

- CAS Biosequences on GenomeQuest
- Transferring publication numbers to PatBase
- Combining reports
- Identify Common Patent Family
- Reference Rows
- Creating a Summary Table of Sequence Hits
- Exports, including Summary Records

CAS Biosequences on GenomeQuest

- New support in Version 5.3.2 (patent and non-patent)
- Use the BizInt application to export



CAS Biosequences on GenomeQuest

• Filters and selections now carry over to exports

_	Export - Bizint X		
n h Pr FL	You are about to export the top 3 results per query (21 total) .		
Зr	Selections	n	
Π	 All 2,237 results 		
Зr	Top 3 results per query (21 total)	n	
Br		n	
-	Export Cancel		

Import Options	
Records in the imported file (by database):	
21 records: CAS Biosequences	
Create new chart?	

Multi-query searches on GenomeQuest

• Query labels are available in the QueryID column e.g. LC, LCDR1/2/3...

Query ID

- If you run each query as a separate search, fill the Query ID in each chart by selecting the column and pasting in the new value.
- Then combine.

CAS Biosequences

CAS Biosequences: gqreport_bizint (2)

	Title	Query ID	Patent Sequence Location	Alignment	Seq. Identifier	CAS Registry Number	CAS Name	ਨ Role	т^
1	Human antibody specific to human metapneumovirus, or antigen-binding fragment thereof	LCDR1	SEQID 28; claimed	Q: 1 RASQSISNNLA 11 S: 1 RASQSISNNLA 11	WO2014115893-0028	1428524-37-1	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl-	Biological Study, Unclassified; Properties; Biological Study CAS Content	linear
2	2 Preparation of anti-human TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease	LCDR1	SEQID 15; unclaimed	Q: 1 RASQSISNNLA 11 S: 1 RASQSISNNLA 11	WO2013044298-0015	1428524-37-1	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl-		linear
3	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	LCDR1	SEQID 6; claimed	Q: 1 RASQSISNNLA 11 S: 1 RASQSISNNLA 11	WO2018071345-0006	1428524-37-1	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl-	Biological Study, Unclassified; Properties; Biological Study	linear
4	4 Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	HCDR3	SEQID 5; claimed	Q: 1 DPGFTIFGVVITSWSGLDS 19 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	WO2018071345-0005	2222535-23-9	L-Serine, L-α-aspartyl-L-prolylglycyl-L-phenyl alanyl-L-threonyl-L-isoleucyl-L-phe nylalanylglycyl-L-valyl-L-valyl-L-isol eucyl-L-threonyl-L-servl-L-trytonby	Biological Study, Unclassified; Properties; Biological Study	linear V

<

> ...



CAS Biosequences (non-patent content)

U	nsaved2					
gq	_cas_journals					
	Title	Source	Biosequ	ience Modifications	Sea, Identifier	Subject Pct Identity
	nac		Position	Modification	ooq. laonanor	oubjeet ethennity
7	Nucleotide sequence of the tcmll-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a	Summers, Richard G.; Wendt-Pienkowski, Evelyn; Motamedi, Haideh; Hutchinson, C. R 1992. Nucleotide sequence of the tcmll-tcmlV region of the tetracenomycin C biosynthetic	1	terminal mod., methionine-1, N-formyl	1992:485843-142845-47- 4	
	multifunctional cyclase-dehydratase-O-methyl transferase	gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase. Journal of Bacteriology 174(6):1810-20				
3	Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica	Ujino-Ihara, T.; Taguchi, Y.; Yoshimura, K.; Tsumura, Y. 2003. Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica. Plant Biology (Stuttgart, Germany) 5(6):600-607			2004:186071-576510-15- 1	5.70
)	Large-scale analysis of the barley transcriptome based on expressed sequence tags	Zhang, Hangning; Sreenivasulu, Nese; Weschke, Winfriede; Stein, Nils; Rudd, Stephen; Radchuk, Volodymyr; Potokina, Elena; Scholz, Uwe; Schweizer, Patrick; Zierold, Uwe; Langridge, Peter; Varshney, Rajeev K.; Wobus, Ulrich; Graner, Andreas. 2004.			2004:1000626-427324-9 8-9	5.62
3	gc	tcmll-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica Large-scale analysis of the barley transcriptome based on	gq_cas_journals Title Source Nucleotide sequence of the tcmll-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Summers, Richard G.; Wendt-Pienkowski, Evelyn; Motamedi, Haideh; Hutchinson, C. R 1992. Nucleotide sequence of the tcmll-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Motamedi, Haideh; Hutchinson, C. R 1992. Nucleotide sequence of the tcmll-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase. Journal of Bacteriology 174(6):1810-20 Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica Ujino-Ihara, T.; Taguchi, Y.; Yoshimura, K.; Tsumura, Y. 2003. Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica. Plant Biology (Stuttgart, Germany) 5(6):600-607 Large-scale analysis of the barley transcriptome based on expressed sequence tags Zhang, Hangning; Sreenivasulu, Nese; Weschke, Winfriede; Stein, Nils; Rudd, Stephen; Radchuk, Volodymyr; Potokina, Elena; Scholz, Uwe; Schweizer, Patrick; Zierold, Uwe; Langridge, Peter; Varshney, Rajeev K.; Wobus,	gq_cas_journals Bioseque Ittle Source Bioseque Nucleotide sequence of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Summers, Richard G.; Wendt-Plenkowski, Evelyn; Motamedi, Haideh; Hutchinson, C. R. 1992. Nucleotide sequence of the tcmII-tcmIV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase 1 Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica Ujino-Ihara, T.; Taguchi, Y; Yoshimura, K.; Tsumura, Y. 2003. Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica. Plant Biology (Stuttgart, Germany) 5(6):600-607 Large-scale analysis of the barley transcriptome based on expressed sequence tags Zhang, Hangning; Sreenivasulu, Nese; Weschke, Winfriede; Stein, Nils; Rudd, Stephen; Radchuk, Volodymyr, Potokina, Elena; Scholz, Uwe; Schweizer, Patrick; Zierold, Uwe; Langridge, Peter; Varshney, Rajeev K.; Wobus,	gq_cas_journals Biosequence Modifications Nucleotide sequence of the tcml-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Summers, Richard G.; Wendt-Pienkowski, Evelyn; Motamedi, Haideh; Hutchinson, C. R. 1992. Nucleotide sequence of the temli-tcmlV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the tcmN gene encodes a multifunctional cyclase-dehydratase-O-methyl transferase I terminal mod, methionine-1, N-formyl Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica Ujino-Ihara, T; Taguchi, Y; Yoshimura, K; Tsumura, Y. 2003. Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica Janag, Hangning; Sreenivasulu, Nese; Weschke, Winfriede; Stein, Nii; Rudd, Stephen; Radchuk, Volodymyr, Potokina, Elena; Scholz, Uwe; Schweizer, Patrick; Zierold, Uwe; Langridge, Peter; Varshney, Rajeev K; Wobus,	gq_cas_journals Title Source Biosequence Modifications Seq. Identifier Nucleotide sequence of the trail-terniV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the terni Ng ene encodes a multifunctional cyclase-dehydratase-O-methyl transferase Summers, Richard G.; Wendt-Pienkowski, Evelyn; Notamedi, Haideh; Hutchinson, C. R. 1992. Nucleotide sequence of the terni-IterniV region of the tetracenomycin C biosynthetic gene cluster of Streptomyces glaucescens and evidence that the the torni Ng ene encodes a multifunctional cyclase-dehydratase-O-methyl transferase. Journal of Bacteriology 174(6):1810-20 Cryptomeria japonica 1 Sequence Modification Analysis of expressed sequence and pollen cones of Cryptomeria japonica Ujino-thara; T; Taguchi, Y; Yoshimura, K; Tsumura, Y. 2003. Analysis of expressed sequence tags derived from developing seed and pollen cones of Cryptomeria japonica 2004:186071-576510-15- 1 1 Large-scale analysis of the barley transcriptome based on expressed sequence tags Zhang, Hangning; Sreenivasulu, Nis; Rudd, Stephen; Radchuk, Volodym; Proklina, Elena; Scholz, Uwe; Schweizer, Patrick; Zierold, Uwe; Langridge, Peter; Varshme, Rajeev K; Wobus, 2004:1000626-427324-9 8-9

© 2020 BizInt

CAS Biosequences

...... Unsaved1

CAS Biosequences: gqreport_bizint (2)

Title	Query ID	Patent Sequence Location	Alignment	Seq. Identifier	CAS Registry Number	CAS Name	ਨੇ Role	Т	î
Human antibody specific to human metapneumovirus, or antigen-binding fragment thereof	LCDR1	SEQID 28; claimed	Q: 1 RASQSISNNLA 11 IIIIIIIIII S: 1 RASQSISNNLA 11	WO2014115893-0028	1428524-37-1	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl-	Biological Study, Unclassified; Properties; Biological Study	linear	
Preparation of anti-human TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease	LCDR1	SEQID 15; unclaimed	Q: 1 RASQSISNNLA 11 IIIIIIIIII S: 1 RASQSISNNLA 11	WO2013044298-0015	1428524-37-1 GQ Cont	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl- tent	Properties	linear	
Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	LCDR1	SEQID 6; claimed	Q: 1 RASQSISNNLA 11	wo2018071345-0006	1428524-37-1	L-Alanine, L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-isoleucyl-L-seryl-L-as paraginyl-L-asparaginyl-L-leucyl-	Biological Study, Unclassified; Properties; Biological Study	linear	
Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	HCDR3	SEQID 5; claimed	Q: 1 DPGFTIFGVVITSWSGLDS 19 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	WO2018071345-0005	2222535-23-9	L-Serine, L-α-aspartyl-L-prolylglycyl-L-phenyl alanyl-L-threonyl-L-isoleucyl-L-phe nylalanylglycyl-L-valyl-L-valyl-L-isol eucyl-L-threonyl-L-seryl-L-tryntonhy	Biological Study, Unclassified; Properties; Biological Study	linear	*
	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune diseaseLCDR1Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loopLCDR1Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loopHCDR3	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune diseaseunclaimedBroadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loopLCDR1SEQID 6; claimedBroadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loopHCDR3SEQID 5; claimed	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease unclaimed IIIIIIIIIII S: 1 RASQSISNNLA 11 Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop LCDR1 SEQID 6; claimed Q: 1 RASQSISNNLA 11 Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop HCDR3 SEQID 5; claimed Q: 1 Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop HCDR3 SEQID 5; claimed Q: 1 DPGFTIFGV/ITSWSGLDS 19 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TLTa antibodies for diagnosis, prevention and treatment of TLTa-mediated autoimmune disease unclaimed IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease unclaimed IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease unclaimed IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease unclaimed IIIIIIIIIII IIIIIIIIIII IIIIIIIIIII IIIIIIIIIII IIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TL1a antibodies for diagnosis, prevention and treatment of TL1a-mediated autoimmune disease unclaimed IIIIIIIIIII IIIIIIIIIII L-arginyl-L-alanyl-L-seryl-L-glutami nyl-L-seryl-L-glutami nyl-L-sery

Formatting for Alignments

- Choose the Fixed Width option for Quick Format
- Don't just change the font for the column ... that looks ok in BizInt Smart Charts, but loses spaces when exported!

		Alignmen	nt	
Q:	1	RASQSISNNLA	11	
S:	1	RASQSISNNLA	11	

	Alignm	ent Column Properties.	Sea Identifier	CAS Registry Number
Q: S:	1 RASC IIIIIIIIII 1 RASC	Add Column Hide Column Sort Statistics Font		: 1428524-37-1 L- L- n; p
Q:	1 RASC	Quick format	>	Regular
S:	IIIIIIIIII 1 RASC	Highlight cells	Ctrl+L	Bold L- Italic n:
		Copy Paste	Ctrl+C Ctrl+V	Fixed Width
		Find Find Next	Ctrl+F F3	Larger Smaller
0:	1 0400	Replace	Ctrl+R	Align Right
Q: S:	1 RASCION IIIIIIIIII 1 RASQSIS		.010011040.000	Align Left L Align Center n

Transferring publication numbers to PatBase

- In a small set like this, collect all publication numbers
- Tools | Statistics creates an Excel sheet
- Copy and Paste numbers into PatBase "Upload publication numbers" panel

Datan	t Number	Patent Date	Pate
Paten	tNumber	Patent Date	Patent
VO 201	4115893	20140731	WO2014115893 AU2014208456 CA2899052 CN104955839 EP2966086
Records Record on Publisher Website Publisher Images Column Properties Row Properties Add Row			
	Column P	roperties	
VO:	Hide Row		Ctrl+H
vo:	Move Rov Hide Colu Sort		Ctrl+M
	Statistics	· N	
	Highlight Highlight		Ctrl+L Ctrl+Shft+L
	Cut		Ctrl+X
	Сору		Ctrl+C
	Paste		Ctrl+V
	Font Quick for	mat	>

PatBase - export results, enhanced legal status support

 Creating Reports from Databases and Hosts for instructions on each platform

© 2020 Bi

	Family	Status Expir	у	La	atest Legal 🤅	Status Table		
Latest Expiry Date	Pub No.	State	Exp Date	Pub	Date	Event	Legal Status Link	
2037-07-25	US 2015210764 A	ALIVE		EP3097122A2	2017-05-03	(DAX) REQUEST FOR	http://www.patbase.c	
(US10093735 B)	US 9738716 B	ALIVE	2035-03-01			EXTENSION OF THE	om/legal/public/inde	
	US 2018100014 A	ALIVE	•			EUROPEAN PATENT (TO	x.php?id=59938016	
	US 10093735 B	ALIVE	2037-07-25			ANY COUNTRY)		
	US 2010106400 V			**		(DELETED)		
	Latest Ex	niry Da	to	EP3097122A4	2019-12-18	+ (LSGT / INTG)		
				**		INTENTION TO GRANT		Legal status browser
	CA 2937898 AA	ALIVE		**		ANNOUNCED		Legal status Diowsei
	AU 2015209131 AA			US10093735 B	2018-11-13	(LSRE / CC) CERTIFICATE	N	
	SG 11201606018U	ALINE			: 	OF CORRECTION		
	A1		- Fa	mily Status	8-02	(LSGT / STCF)		
	SG 10201806108T	ALIVE		Expiry Dat		INFORMATION ON		
	A1		WILLI			STATUS: PATENT GRANT		
	IL 246921 A0	ALIVE	••	US20181000147	12018-09-19	-		
	IL 246921 A1	ALIVE	• • • • • • • • • • • • • • • • • • • •	**		INFORMATION ON		
	IN 201647028679 A	ALIVE	• • • • • • • • • • • • • • • • • • • •			STATUS: PATENT GRANT		
	KR 20160125381 A	ALIVE	· •	US2019106490	2019-12-10		t Status	
	PH 2016501644 A	ALIVE		110070074C D	0040.05.03	Action Ma		
	CO 20160000995	ALIVE	- 0	US9738716 B	2018-05-23	PAYMENT PROCEDURE	blication	
	A2			W045440006 40	0045 00 46			
	EP 3097122 A2	ALIVE		WO 15 112880 AZ	2015-09-10	(121) EP: THE EPO HAS BEEN INFORMED BY		
	EP 3097122 A4	ALIVE				WIPO THAT EP WAS		
	MX 2016009555 A1	ALIVE				DESIGNATED IN THIS		
		ALIVE				APPLICATION		
	PE 20170256 A1	ALIVE		WO15112886 43	2017-10-03	(LSNP/ENP)ENTRY		

Combine Charts

- Both charts open
- File | Combine

Create Combined Chart Wizard	
Step 3 - Select options for new combined chart:	
Enter new chart title:	Finish
Ebola PatBase + CAS Biosequences	< Back
Select the operation you would like to perform:	Cancel
Combine charts from different databases.	
Build a report from different sources, aligning common fields.	Help
Add additional results from same search.	
Create one report from results saved in several files.	
 Merge results from different search strategies. Use the Row Status column to see differences in results. 	
 Combine without removing duplicates. Useful for gene sequence charts from multiple queries. 	
Advanced	

Match records by Common Patent Family

- Links rows in the chart based on publication numbers in families
- Remember: Common Family is a sort key

Detabase	Common Family	Pater	Patent Family			
Database	Common Family	Datant	Kind	Date		
Derwent World Patents Index	US 2014356956	US20140356959	A1	20141204		
Derwent World	US 2014356956	US20140356956	A1	20141204		
Patents Index			A2	20141211		
	X	WO2014197568	A3	20150312		
		CA2914638	A1	20141211		
FAMPAT	US 2014356956	1 /10 2014356956	A1	2014-12-04		
		03 2014356959	A1	2014-12-04		
		00 9207 195	B2	2016-02-23		
GQPAT Gold+ Proteins	US 2014356956	US20140356959		20141204		
GQPAT Gold+ Proteins	US 2014356956	US20140356956		20141204		
PatBase	US 2014356956	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		
		CA2914638	AA	2015-12-04		
		KR 20160014036	A	2016-02-05		

Common Patent Family

- Remember that Common Family is simply a sort key
- You can edit the assigned values
- You can paste another field into Common Family
- Patent Number group by publication
- Sequence ID group by sequence

Comm	on Family	Pater	nt Fa
Common Family		Patent	K
WO 15112	886	US 2015210764	Α
		US 9738716	В
		US 2018100014	Α
		US 10093735	В
		US 2019106490	Α
	Records		
	Record o	on Publisher Website	
	Publishe	er Images	
		j	
	Column	Properties	
	Row Pro	perties	
	Add Rov	v	
	Hide Ro	w	
	Move Ro	w	
	Hide Co	lumn	
	Sort	N	
	Statistics		
	Highligh	nt cells	

Send to Reference Rows

- Save the combined chart first
- File | Send to Reference Rows
- On the first step of the wizard, do NOT select "Regenerate" if you have modified Common Family



Create Reference Rows (1 of 3)



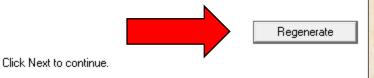
Welcome to the Create Reference Rows Wizard

< Back

BizInt Smart Charts Reference Rows offers the ability to create a "Reference Row" which combines information from a set of related records into a single row. The Create Reference Rows Wizard will help you create and set up rules for Reference Rows.

NOTE: Reference Rows are based on the Common Patent Family column in your report. You can regenerate this column now.

Next >



Finish

Cancel

Standard behavior - fill in the blanks

Check marks show representative values for each group

-														
.1	ANTIBODY TARGETING THE EBOLAVIRUS GLYCOPROTEIN INTERNAL FUSICAL LOOP	PatBase	•	INTEGRATED BIOTHERAPEUTICS INC UNIV OF MARYLAND	~	http://www.patbasec om/legal/public/inde x.php?id=69341340			\mathcal{C}					
2	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	CAS Biosequences	WO 18071345	Integrated BioTherapeutics, Inc.; The University of Maryland			Q: S:	1 RASQSISNN 1 RASQSISNN	11	LCDR1	🔶 MO2	018071345-0006 🎺	100.00	~
.3	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	CAS Biosequences	WO 18071345	Integrated BioTherapeutics, Inc.; The University of Maryland			Q: 19 S: 19	1 DPGFTIFGV 1 DPGFTIFGV		HCDR3	WO	018071345-0005	100.00	
.4	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	CAS Biosequences	WO 18071345	Integrated BioTherapeutics, Inc.; The University of Maryland			Q: 19 S: 117	1 DPGFTIFGV 99 DPGFTIFGV		HCDR3	WO	018071345-0001	14.84	
.5	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	CAS Biosequences	WO 18071345	Integrated BioTherapeutics, Inc.; The University of Maryland			Q: S:	1 GNIDNSAST 1 GNIDNSAST			WO	018071345-0004	100.00	
.6	Broadly neutralizing antibody targeting the ebolavirus glycoprotein internal fusion loop	CAS Biosequences	WO 18071345	Integrated BioTherapeutics, Inc.; The University of Maryland			Q: S:	1 GNIDNSAST 50 GNIDNSAST	IIIII II -	17 HCDR2	wo:	018071345-0001	13.28	

Show all Query IDs for a Family

- Edit Column Rule for Query ID
- Choose Summarize Unique Values

Query ID Choose how Reference F	lows will select data for this column	1.		1
Selection Rule:	Use database ranking	•		
Match column:	Use database ranking Earliest Date Latest Date			
	Most Content (characters) Least Content (characters) Most Content (lines) Highest Development Phase	ne	e which value to	
Database Ranking for	Most Recently Updated Match Column Highest Number			
PatBase CAS Biosequences	Lowest Number Closest to Zero Bow Status	01	ve Up	
	Summarize All Values Summarize Unique Values	ve	e Down	

ΟK

Cancel

Query ID	Sog Identifier		Subject D
	Edit Column Rule	67	
	Column Properties	~~	
	Hide Column		
HCDR2	Sort		
	Statistics		
	Highlight cells		Ctrl+L
	Find		Ctrl+F
	Find Next		F3
	Replace		Ctrl+R

Summarize Unique Values

Cell Glyph Changes

© 2020 BizInt Solutions, Inc | www.bizint.com

• Export or Statistics to see value

LCDR1 HCDR3 HCDR2

LCDR3

HCDR1

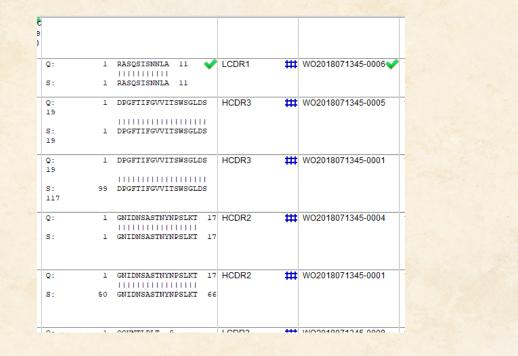
LCDR2

LC-

HC-

Ebola

Ebola



Create Subtable to Summarize Sequence Results

• But that solution only gives a list of Query IDs associated with the family - it doesn't tell you which sequence was returned with each query.

LCDR1	#	WO2018071345-0006	100.00 ✔
HCDR3	##	WO2018071345-0005	100.00
HCDR3	##	WO2018071345-0001	14.84
HCDR2	#	WO2018071345-0004	100.00
HCDR2	##	WO2018071345-0001	13.28
LCDR3	##	WO2018071345-0008	100.00
LCDR3	##	WO2018071345-0002	8.49

Create Subtable to Summarize Sequence Results

- The answer is to create a table showing data from different sequence hits.
- Complete steps are available in a recipe at bizint.com/piugbio :
- Create subtable from columns
- Change rule to Summarize All Values
- Export

W_2018071345-0006	LCDR1	100.00	5.2
WO2018071345-0005	HCDR3	100.00	5.3
WO2018071345-0001	HCDR3	14.84	5.4
WO2018071345-0004	HCDR2	100.00	5.5
WO2018071345-0001	HCDR2	13.28	5.6
WO2018071345-0008	LCDR3	100.00	5.7
WO2018071345-0002	LCDR3	8.49	5.8
WO2018071345-0003	HCDR1	100.00	5.9
WO2018071345-0007	LCDR2	100.00	5.10
WO2018071345-0002	LC-Ebola	100.00	5.11
WO2018071345-0001	HC-Ebola	100.00	5.12

Key Tips of Summarized Subtable

- Rename columns before creating subtable you can't change them after the fact
- It is best to include a column which helps identify the data in each row (Sequence ID in the example)
- Fixed Width property of the Alignment column doesn't work in a subtable

Summary Records export

- A Word export containing content of the chart, full claims set, full alignment from selected records
- Yellow section contains columns of the chart
- Green section can contain one alignment, one full set of claims

+						
	1. Title:	BINDING PROTEINS AND METHODS OF USE THEREOF				
	Database:	PatBase				
		CAS Biosequences				
	Common Family:					
	Patent Assignee:	signee: HUGO MATERN; NGM BIOPHARMACEUTICALS INC; NGM PHARMACEUTICALS INC; KALYANI MONDAL; NGM BIOFARMASYUTIKALS INK; YU CHEN; TARUNA ARORA; WENYAN SHEN; BETTY CHAN LI				
	Latest Expiry Date: 2037-07-25 (US10093735 B)					
	www.patbase.com/legal/public/index.php?id=59938016					
	Alignment:	Q: 1 GY-Y-HWN 6				
		S: 4 GYVYMHWN 11				
	Query ID:	HCDR1				
		WO2015112886-0021				
	\$ % ld:					
	Sequence					
		W02015112886-0021 HCDR1 54.55				
		NO2013112000 0021 110D1(1 34.33				
	Notes					
	Alignment: Q: 1	1 GY-Y-HWN 6				
	S: 4	4 GYVYMHWN 11				
	Claims:					
	U\$9738716B					
	1 An antibody or	binding fragment thereof that (i) binds to an enitone of human beta klotho and				
	1. An antibody or binding fragment thereof that (i) binds to an epitope of human beta klotho and cynomologous monkey beta klotho recognized by an antibody comprising a heavy chain variable region having the amino acid sequence of SEQ ID NO:25 and a light chain variable region having the amino acid sequence of SEQ ID NO:26; or (ii) competes for the binding to human beta klotho with an antibody comprising a heavy chain variable region having the amino acid sequence of SEQ ID NO:26; or (ii) competes for the binding to human beta klotho with an antibody comprising a heavy chain variable region having the amino acid sequence of SEQ ID NO:25 and a light chain beta klotho with an antibody comprising a heavy chain variable region having the amino acid sequence of SEQ ID NO:25 and a light chain					

comprising a heavy chain variable region having the amino acid sequence of SEQ ID NO:25 and a light chain variable region having the amino acid sequence of SEQ ID NO:26, wherein the antibody or binding fragment comprises all three heavy chain complementarity determining regions (CDRs) and all three light chain CDRs from:

(a) an antibody that comprises a VH sequence that is SEQ ID NO:25 and a VL sequence that is SEQ ID

Resources

- bizint.com/tips for links to key documentation
- BizInt Smart Charts for Patents Mini Guide
- Bizint.com/piugbio for the recipe handout

BizInt Smart Charts

for Patents



THE JOURNEY **CONTINUES**...

Thank you!

www.bizint.com