BV-BRC Test Report

S4. Strains Search

Item to test	Strains Search – Segmented Viruses			
URL	https://www.bv-brc.org/searches/StrainSearch			
Prerequisites	None			
References	https://www.bv-brc.org/docs/quick_references/searches_menu.html			
Tester(s)	Christian Zmasek, Gene Tan, Rebecca Wattam, Ron Kenyon			
Test date	02-Feb-2022 (original - passed), 29-Apr-2022 (follow-up - passed)			
Test result	Passed			

Overview

- Test Strains search and results page for **segmented viruses**: (Influenza, Arenaviridae, Lassa).
- Inspect search results to verify that they match search criteria.
- Test using representative criteria and verify that returned genome counts are comparable with IRD/ViPR.

Test Results

- Test results were verified by examination of returned data via inspection, filters, and/or comparison with the same search in the legacy PATRIC and IRD/ViPR resources (if present in those resources).
- All searches returned expected data, with results matching search criteria.
- Strain counts were comparable, with minor difference attributable to data update cycles in BV-BRC and IRD/ViPR

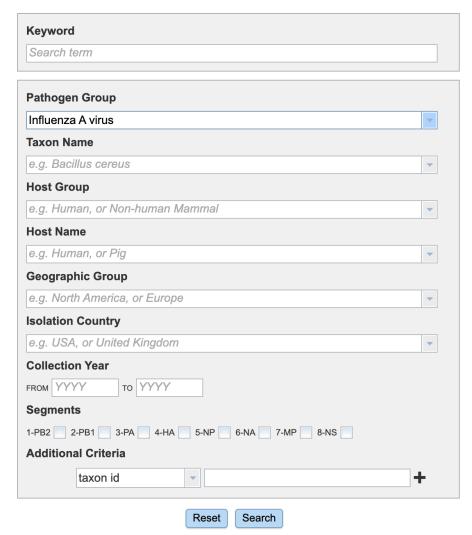
Segmented Viruses

Pathogen Group: Influenza A virus

Advanced Search

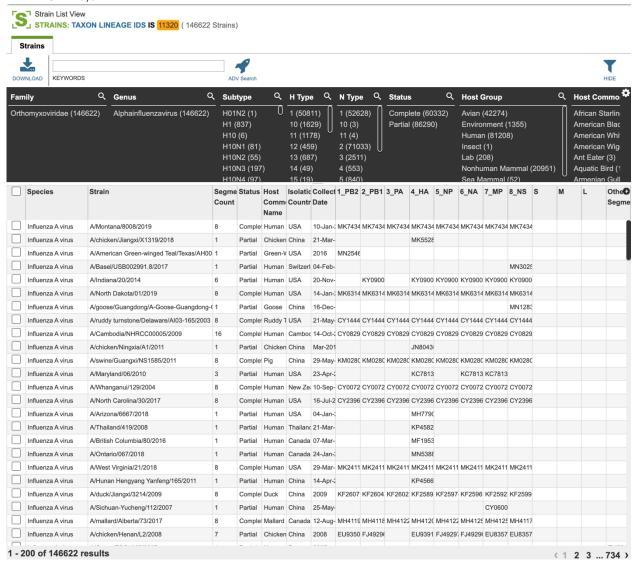
Strain Search

Search for strains of interest for segmented viruses using generic keywords, genome id/name, pathogen group, various metadata attributes, or presence of select segments. For further explanation, please see the Advanced Search Quick Reference Guide.



Results:

BV-BRC: 146,622



IRD: 159.917

SEARCH DATA ANALYZE & VISUALIZE

Influenza Research Database

WORKBENCH

SUBMIT DATA

HELP

<u>Home</u> ▶ <u>Strain Search</u> ▶ Results

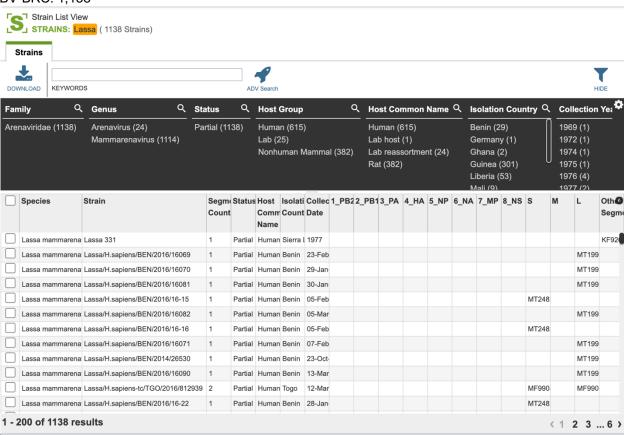
Strain Search Results

S	how	Segment Display Show Prote	ein Display Ad	ld Strains to Wo	rking Set	Save Search	Downlo	ad	
		returned 159,917 strains. Search C	riteria	Displaying 50 records per page, sorted by Strain Name in ascending order.					
Nore c	olur	I 759,919 segments nns were returned than can be display isplayed by using the Display Settings	•	Jse scroll bars a	at top and botto		2 3 4 5 6 7		
		Strain Name	1 PB2	2 PB1	3 PA	4 HA	5 NP	6 NA	7 MP
□ Vi	ew	A/1352/02	-N/A-	-N/A-	-N/A-	☐ AJ489861	-N/A-	-N/A-	-N/A-
_ Vi	ew	A/1496/02	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	☐ AJ489851	-N/A-
_ Vi	ew	A/1660/02	-N/A-	-N/A-	-N/A-	☐ AJ489862	-N/A-	-N/A-	-N/A-
Vi	ew	A/575/01	-N/A-	-N/A-	-N/A-	☐ AJ489859	-N/A-	-N/A-	-N/A-
□ Vi	ew	A/576/01	-N/A-	-N/A-	-N/A-	☐ AJ489860	-N/A-	-N/A-	-N/A-
□ Vi	ew	A/AA/Huston/1945	□CY021716 *	□CY021715 *	□CY021714 *	□CY021709 *	□CY021712 *	□CY021711 *	□CY02171
Vi	ew	A/AA/Marton/1943	□CY020292 *	□CY020291 *	□CY020290 *	□CY020285 *	□CY020288 *	CY020287 *	□CY02028
Vi	ew	A/Aalborg/INS132/2009	□CY083917 *	□CY083916 *	□CY083915 *	□CY083910 *	□CY083913 *	CY083912 *	□CY0839
_ Vi	ew	A/Aalborg/INS133/2009	□CY063613 *	CY063612 *	□CY063611 *	□CY063606 *	CY063609 *	CY063608 *	□CY06360
□ Vi	ew	A/Aalborg/INS282/2009	□CY083782 *	-N/A-	□CY083781 *	□CY083776 *	□CY083779 *	☐ CY083778	□CY08377
□ Vi	ew	A/Aalborg/INS283/2009	□CY073732 *	□CY073731 *	□CY073730 *	□CY073725 *	□CY073728 *	□CY073727 *	□CY07372
□ Vi	ew	A/Aarhus/INS116/2009	□CY062698 *	CY062697 *	CY062696 *	CY062691 *	CY062694 *	CY062693 *	□CY06269
Vi	ew	A/Aarhus/INS118/2009	□CY062706 *	CY062705 *	□CY062704 *	CY062699 *	CY062702 *	□CY062701 *	□CY06270
Vi	ew	A/Aarhus/INS236/2009	□CY066942 *	CY066941 *	□CY066940 *	□CY066935 *	CY066938 *	CY066937 *	□CY06693
Vi	ew	A/Aarhus/INS237/2009	□CY066950 *	CY066949 *	□CY066948 *	□CY066943 *	CY066946 *	CY066945 *	□CY06694
	ew	A/Aarhus/INS238/2009	CY066958 *	CY066957 *	CY066956 *	CY066951 *	CY066954 *	CY066953 *	CY06695

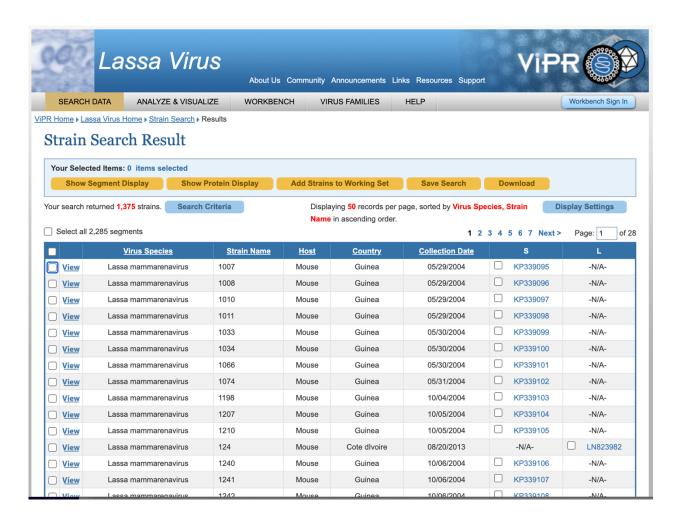
Keyword: Lassa

Result:

BV-BRC: 1,138



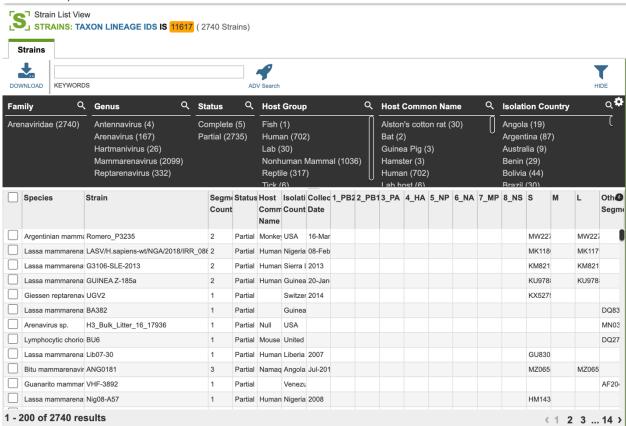
ViPR: 1,375



Pathogen Group: Arenaviridae

Result:

BV-BRC: 2,740



ViPR: 3,368

