

BV-BRC Test Report

S5. Proteins Search

Item to test	Proteins Search
URL	https://www.bv-brc.org/searches/GenomicFeatureSearch
Prerequisites	None
References	https://www.bv-brc.org/docs/quick_references/searches_menu.html https://www.bv-brc.org/docs/quick_references/organisms_taxon/proteins.html
Tester(s)	Rebecca Wattam, Christian Zmasek, Ron Kenyon
Test date	04-Feb-2022 and 10-Feb-2022 (original - passed), 21-Apr-2022 (follow-up - passed)
Test Result	Passed

Overview

- Test the Proteins Search using representative search criteria for bacterial and viral data.
- Test using example Keywords.
- Test using BRC ID, Product Name, and Taxon Name.
- Inspect search results to verify that they match search criteria.
- For viral data, test using representative criteria and verify that returned protein 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.
- Search results were comparable between BV-BRC and ViPR for the proteins search (PATRIC does not have this specialized search tool).

Keyword and Other Search Criteria

Keyword: gyrase

Advanced Search

Protein Search

Search for proteins of interest (resulting from CDS and mature peptide features) using generic keywords, pathogen group, various genome metadata attributes, protein product, or database identifiers. For further explanation, please see the [Advanced Search Quick Reference Guide](#).

Keyword
<input type="text" value="gyrase"/>

Pathogen Group
<input type="text" value="Influenza A virus"/>
Taxon Name
<input type="text" value="e.g. Influenza A virus (A/Shanghai/02/2013(H7N9))"/>
Genome ID
<input type="text" value="e.g. 1332244.20"/>
Host Group
<input type="text" value="e.g. Human"/>
Host Name
<input type="text" value="e.g. Homo sapiens"/>
Geographic Group
<input type="text" value="e.g. Asia"/>
Isolation Country
<input type="text" value="e.g. China"/>
Collection Year
FROM <input type="text" value="YYYY"/> TO <input type="text" value="YYYY"/>
Genome Length
FROM <input type="text" value="X"/> TO <input type="text" value="X"/> <input type="checkbox"/> COMPLETE?

BRC ID
<input type="text" value="fig 1332244.20.CDS.1"/>
Gene
<input type="text" value="NS1"/>
Product
<input type="text" value="nonstructural protein 1"/>
Additional Protein Criteria
<input type="text" value="genome id"/> <input type="text" value=""/> +

Result:

Feature List View
(2222426 Genomic Features)

Feature List Overview **Features**

Genome ID	Genome Name	Accession	Feature Type	BRC ID	RefSeq Locus Tag	Start	End	Strand	Length (NA)	Gene Symbol	Product
<input type="checkbox"/>	469009.4	'Brassica napus' phytoplasma	QGKT010000	CDS	fig 469009.4.pt DF280_01500	294891	296906	+	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	469009.4	'Brassica napus' phytoplasma	QGKT010000	CDS	fig 469009.4.pt DF280_01505	297006	299513	+	2508		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1895771.4	'Candidatus Kapabacteria' thic	JAFKGGJ01000	CDS	fig 1895771.4.j J0117_07615	86128	88599	+	2472	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1895771.4	'Candidatus Kapabacteria' thic	JAFKGGJ01000	CDS	fig 1895771.4.j J0117_09690	87435	89444	-	2010	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1193712.3	'Catharanthus roseus' aster ye	CP035949	CDS	fig 1193712.3.f EXT02_00930	202811	205318	-	2508	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1193712.3	'Catharanthus roseus' aster ye	CP035949	CDS	fig 1193712.3.f EXT02_00935	205394	207409	-	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	295320.3	'Cynodon dactylon' phytoplas	VWOH010000	CDS	fig 295320.3.pt F1741_01310	42449	44965	-	2517	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	295320.3	'Cynodon dactylon' phytoplas	VWOH010000	CDS	fig 295320.3.pt F1741_01315	45011	46918	-	1908	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1309411.5	'Deinococcus soli' Cha et al. 2	CP011389	CDS	fig 1309411.5.f SY84_14090	2903339	2905345	-	2007	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1309411.5	'Deinococcus soli' Cha et al. 2	CP011389	CDS	fig 1309411.5.f SY84_14360	2965863	2968298	-	2436		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1123738.3	'Echinacea purpurea' witches'	LKAC010000	CDS	fig 1123738.3.f EPWB_v1c241	11881	14421	-	2541	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1123738.3	'Echinacea purpurea' witches'	LKAC010000	CDS	fig 1123738.3.f EPWB_v1c242	14506	16452	-	1947	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1538355.3	'Elaeagnus angustifolia' witch	JAHFWK01000	CDS	fig 1538355.3.f KEC49_01820	1556	4063	-	2508	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1538355.3	'Elaeagnus angustifolia' witch	JAHFWK01000	CDS	fig 1538355.3.f KEC49_01825	4148	6163	-	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2358428.3	'Fragaria x ananassa' phyllody	JAGVRH01000	CDS	fig 2358428.3.j J8J04_00330	69569	72058	-	2490	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2358428.3	'Fragaria x ananassa' phyllody	JAGVRH01000	CDS	fig 2358428.3.j J8J04_00335	72127	74139	-	2013		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_0531	550640	553249	+	2610		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_2816	2898736	2900673	+	1938		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_2820	2904071	2906578	-	2508		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1856298.3	'Osedax' symbiont bacterium f	MABF0100002	CDS	fig 1856298.3.j A9R01_01285	6696	9110	+	2415		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1856298.3	'Osedax' symbiont bacterium f	MABF0100015	CDS	fig 1856298.3.j A9R01_07545	26834	29443	-	2610		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02045	353419	353616	+	198		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02045	354117	354485	+	369		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02050	354677	354910	+	234		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	355069	355248	+	180		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	355333	356226	+	894		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	356997	357302	+	306		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.3	'Parthenium hysterophorus' pt	JACRYSO1000	CDS	fig 2763338.3.j H7686_01915	15102	17051	+	1950		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.3	'Parthenium hysterophorus' pt	JACRYSO1000	CDS	fig 2763338.3.j H7686_01920	17138	19657	+	2520	gyrA	DNA gyrase subunit A (EC 5.99.1.3)

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< 1 2 3 ... 7831 >

Product Name: gyrase

Result

Feature List View
(2222426 Genomic Features)

Feature List Overview **Features**


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<input type="checkbox"/>	469009.4	'Brassica napus' phytoplasma	QGKT010000	CDS	fig 469009.4.pt DF280_01500	294891	296906	+	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	469009.4	'Brassica napus' phytoplasma	QGKT010000	CDS	fig 469009.4.pt DF280_01505	297006	299513	+	2508		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1895771.4	'Candidatus Kapabacteria' thic	JAFKGGJ01000	CDS	fig 1895771.4.j J0117_07615	86128	88599	+	2472	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1895771.4	'Candidatus Kapabacteria' thic	JAFKGGJ01000	CDS	fig 1895771.4.j J0117_09690	87435	89444	-	2010	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1193712.3	'Catharanthus roseus' aster ye	CP035949	CDS	fig 1193712.3.f EXT02_00930	202811	205318	-	2508	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1193712.3	'Catharanthus roseus' aster ye	CP035949	CDS	fig 1193712.3.f EXT02_00935	205394	207409	-	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	295320.3	'Cynodon dactylon' phytoplas	VWOH010000	CDS	fig 295320.3.pt F1741_01310	42449	44965	-	2517	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	295320.3	'Cynodon dactylon' phytoplas	VWOH010000	CDS	fig 295320.3.pt F1741_01315	45011	46918	-	1908	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1309411.5	'Deinococcus soli' Cha et al. 2	CP011389	CDS	fig 1309411.5.f SY84_14090	2903339	2905345	-	2007	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1309411.5	'Deinococcus soli' Cha et al. 2	CP011389	CDS	fig 1309411.5.f SY84_14360	2965863	2968298	-	2436		DNA gyrase subunit A (EC 5.99.1.3)
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<input type="checkbox"/>	1123738.3	'Echinacea purpurea' witches'	LKAC0100000	CDS	fig 1123738.3.f EPWB_v1c242	14506	16452	-	1947	gyrB	DNA gyrase subunit B (EC 5.99.1.3)
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<input type="checkbox"/>	1538355.3	'Elaeagnus angustifolia' witch	JAHFWK01000	CDS	fig 1538355.3.f KEC49_01825	4148	6163	-	2016		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2358428.3	'Fragaria x ananassa' phyllody	JAGVRH01000	CDS	fig 2358428.3.j J8J04_00330	69569	72058	-	2490	gyrA	DNA gyrase subunit A (EC 5.99.1.3)
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<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_0531	550640	553249	+	2610		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_2816	2898736	2900673	+	1938		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	551115.6	'Nostoc azollae' 0708	NC_014248	CDS	fig 551115.6.pt Aazo_2820	2904071	2906578	-	2508		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	1856298.3	'Osedax' symbiont bacterium f	MABF0100002	CDS	fig 1856298.3.j A9R01_01285	6696	9110	+	2415		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	1856298.3	'Osedax' symbiont bacterium f	MABF0100015	CDS	fig 1856298.3.j A9R01_07545	26834	29443	-	2610		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02045	353419	353616	+	198		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02045	354117	354485	+	369		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02050	354677	354910	+	234		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	355069	355248	+	180		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	355333	356226	+	894		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.4	'Parthenium hysterophorus' pt	CP060385	CDS	fig 2763338.4.j H7685_02055	356997	357302	+	306		DNA gyrase subunit A (EC 5.99.1.3)
<input type="checkbox"/>	2763338.3	'Parthenium hysterophorus' pt	JACRYSO1000	CDS	fig 2763338.3.j H7686_01915	15102	17051	+	1950		DNA gyrase subunit B (EC 5.99.1.3)
<input type="checkbox"/>	2763338.3	'Parthenium hysterophorus' pt	JACRYSO1000	CDS	fig 2763338.3.j H7686_01920	17138	19657	+	2520	gyrA	DNA gyrase subunit A (EC 5.99.1.3)

1 - 200 of 1566048 results

< 1 2 3 ... 7831 >

BRC ID: fig|227377.7.peg.5


Result:

 Feature List View
(1 Genomic Features)

Feature List Overview **Features**

  **CDS** **PATRIC** 

KEYWORDS ADV Search FEATURE_TYPE x ANNOTATION x FILTERS

<input type="checkbox"/>	Genome ID	Genome Name	Accession	Feature Type	BRC ID	RefSeq Locus Tag	Start	End	Strand	Length (NA)	Gene Symbol	Product	
<input type="checkbox"/>	227377.7	Coxiella burnetii RSA 493	NC_002971	CDS	fig 227377.7.peg.5	CBU_0004	4128	6554	+	2427	gyrB	DNA gyrase subunit B (EC :	

1 - 1 of 1 results

< 1 >

Specialized search comparisons between BV-BRC and ViPR

Verifying proteins count for equivalent proteins searches in BV-BRC and ViPR. differences are attributable to timing of data updates in each database.

Results:

Viral Group	Search Parameters	ViPR	BV-BRC
Arenaviridae	Taxon Name: Arenaviridae	6,581	6,884
Herpesviridae	Taxon Name: Herpesviridae	316,898	313,473
	Taxon Name: Herpesviridae Product name: glycoprotein H	2,793	1,701

Herpesviridae (example screenshots)

ViPR:

[ViPR Home](#) » [Herpesviridae Home](#) » [Gene/Protein Search](#) » Results

Gene/Protein Search Result

Your Selected Items: 0 items selected

[Add to Working Set](#)
[Save Search](#)
[Run Analysis ▼](#)
[Download](#)

Your search returned **316,898** proteins. [Search Criteria](#) Displaying **50** records per page, sorted by **Virus Species, Strain Name** in ascending order. [Display Settings](#)

Select all 316,898 proteins

1 2 3 4 5 6 7 Next > Page: 1 of 6338

More columns were returned than can be displayed without scrolling. Use scroll bars at top and bottom of display to move right and left or reduce the number of columns displayed by using the Display Settings link above.

	Gene Symbol	Gene Product Name	NCBI Gene ID	Locus Name	UniProtKB Accession	GenBank Accession	Pango Genome Lineage	GenBank Protein Accession	Strain Name	Collection Date	Host	Country	Ortho	
<input checked="" type="checkbox"/>	View	-N/A-	Major outer envelope glycoprotein	-N/A-	-N/A-	A0A3G2C669	MG702107	-N/A-	AYM47834.1	BT12	2012	Cattle	Kenya	O
<input type="checkbox"/>	View	-N/A-	major outer envelope glycoprotein	-N/A-	-N/A-	-N/A-	MG641749	-N/A-	AYI50024.1	BT20	2012	Cattle	Kenya	O
<input type="checkbox"/>	View	-N/A-	Major outer envelope glycoprotein	-N/A-	-N/A-	A0A3G2C681	MG702109	-N/A-	AYM47836.1	BT6	2012	Cattle	Kenya	O
<input type="checkbox"/>	View	-N/A-	Major outer envelope glycoprotein	-N/A-	-N/A-	A0A3G2C672	MG702110	-N/A-	AYM47837.1	BT9	2012	Cattle	Kenya	O
<input type="checkbox"/>	View	-N/A-	Uracil-DNA glycosylase	911736	AIHV1gp42	O36395	NC_002531	-N/A-	NP_065544.1	C500	-N/A-	Wildebeest	-N/A-	ur gl
<input type="checkbox"/>	View	-N/A-	Envelope glycoprotein H	911757	AIHV1gp19	A0A1L2JU73	NC_002531	-N/A-	NP_065521.1	C500	-N/A-	Wildebeest	-N/A-	glyc
<input type="checkbox"/>	View	-N/A-	Uncharacterized gene 24 protein	911740	AIHV1gp21	O36374	NC_002531	-N/A-	NP_065523.1	C500	-N/A-	Wildebeest	-N/A-	prc
<input type="checkbox"/>	View	-N/A-	Ribonucleoside-diphosphate reductase large subunit	911785	AIHV1gp58	A0A1L2JVR8	NC_002531	-N/A-	NP_065560.1	C500	-N/A-	Wildebeest	-N/A-	Ribc diphosp

BV-BRC:

Feature List View
(627026 Genomic Features)

Feature List Overview **Features**



KEYWORDS



CDS

PATRIC



<input type="checkbox"/>	Genome ID	Genome Name	Accession	Feature Type	BRC ID	RefSeq Locus Tag	Start	End	Strand	Length (NA)	Gene Symbol	Product	<input type="checkbox"/>
<input type="checkbox"/>	1032406.3	Acomys herpesvirus SVMS 2	HQ587046	CDS	fig 1032406.3.CDS.1		1	231	+	231		DNA polymerase	<input type="checkbox"/>
<input type="checkbox"/>	91462.3	African elephant endotheliolyt	AF117266	CDS	fig 91462.3.CDS.1		1	180	+	180		DNA polymerase	<input type="checkbox"/>
<input type="checkbox"/>	35252.30	Alcelaphine gammaherpesvin	AF005362	CDS	fig 35252.30.CDS.1		8	193	+	186		putative immediate early ORF	<input type="checkbox"/>
<input type="checkbox"/>	35252.37	Alcelaphine gammaherpesvin	AF005369	CDS	fig 35252.37.CDS.1		89	688	+	600		A2	<input type="checkbox"/>
<input type="checkbox"/>	35252.71	Alcelaphine gammaherpesvin	LN823968	CDS	fig 35252.71.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.72	Alcelaphine gammaherpesvin	LN823969	CDS	fig 35252.72.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.78	Alcelaphine gammaherpesvin	LN823970	CDS	fig 35252.78.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.74	Alcelaphine gammaherpesvin	LN823971	CDS	fig 35252.74.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.77	Alcelaphine gammaherpesvin	LN823972	CDS	fig 35252.77.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.75	Alcelaphine gammaherpesvin	LN823973	CDS	fig 35252.75.CDS.1		1	503	+	503	orf50	RTA	<input type="checkbox"/>
<input type="checkbox"/>	35252.59	Alcelaphine gammaherpesvin	JX139738	CDS	fig 35252.59.CDS.1		1	888	+	888	TK	thymidine kinase	<input type="checkbox"/>
<input type="checkbox"/>	35252.59	Alcelaphine gammaherpesvin	JX139738	CDS	fig 35252.59.CDS.2		917	1028	+	112	gpH	glycoprotein H	<input type="checkbox"/>
<input type="checkbox"/>	35252.61	Alcelaphine gammaherpesvin	JX139739	CDS	fig 35252.61.CDS.1		1	351	+	351		major capsid protein	<input type="checkbox"/>
<input type="checkbox"/>	35252.62	Alcelaphine gammaherpesvin	JX139740	CDS	fig 35252.62.CDS.1		1	888	+	888	TK	thymidine kinase	<input type="checkbox"/>
<input type="checkbox"/>	35252.62	Alcelaphine gammaherpesvin	JX139740	CDS	fig 35252.62.CDS.2		917	1028	+	112	gpH	glycoprotein H	<input type="checkbox"/>
<input type="checkbox"/>	35252.60	Alcelaphine gammaherpesvin	JX139741	CDS	fig 35252.60.CDS.1		1	351	+	351		major capsid protein	<input type="checkbox"/>
<input type="checkbox"/>	35252.65	Alcelaphine gammaherpesvin	JX139744	CDS	fig 35252.65.CDS.1		1	888	+	888	TK	thymidine kinase	<input type="checkbox"/>
<input type="checkbox"/>	35252.65	Alcelaphine gammaherpesvin	JX139744	CDS	fig 35252.65.CDS.2		917	1028	+	112	gpH	glycoprotein H	<input type="checkbox"/>
<input type="checkbox"/>	35252.69	Alcelaphine gammaherpesvin	JX139745	CDS	fig 35252.69.CDS.1		1	351	+	351		major capsid protein	<input type="checkbox"/>
<input type="checkbox"/>	35252.64	Alcelaphine gammaherpesvin	JX139742	CDS	fig 35252.64.CDS.1		1	888	+	888	TK	thymidine kinase	<input type="checkbox"/>
<input type="checkbox"/>	35252.64	Alcelaphine gammaherpesvin	JX139742	CDS	fig 35252.64.CDS.2		917	1028	+	112	gpH	glycoprotein H	<input type="checkbox"/>
<input type="checkbox"/>	35252.63	Alcelaphine gammaherpesvin	JX139743	CDS	fig 35252.63.CDS.1		1	351	+	351		major capsid protein	<input type="checkbox"/>
<input type="checkbox"/>	35252.68	Alcelaphine gammaherpesvin	JX139746	CDS	fig 35252.68.CDS.1		1	888	+	888	TK	thymidine kinase	<input type="checkbox"/>

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< 1 2 3 ... 1568 >