

BV-BRC Test Report

S11. Subsystems Search

Item to test	Subsystems Search
URL	https://www.bv-brc.org/searches/SubsystemSearch
Prerequisites	None
References	https://www.bv-brc.org/docs/quick_references/searches_menu.html https://www.bv-brc.org/docs/quick_references/organisms_taxon/subsystems_tab.html
Tester(s)	Rebecca Wattam, Ron Kenyon
Test date	07-Jan-2022 (original - passed), 6-May-2022 (follow-up - passed)
Test Result	Passed

Overview

- Test the Subsystems Search using representative search criteria.
- Test using example Keyword and Pathogen Group.
- Inspect search results to verify that they match search criteria.

Test Results

- Test results were verified by examination of returned data via inspection and filters.
- All searches returned expected data, with results matching search criteria.

Keyword and Other Search Criteria

Keyword: Pyridoxine

Pathogen Group: Francisella tularensis

Advanced Search

Subsystem Search

Search for subsystems annotated in microbial genomes using generic keywords, pathogen group or taxon name, subsystem id, name, or functional role. For further explanation, please see the [Advanced Search Quick Reference Guide](#).

Keyword
<input type="text" value="Pyridoxine"/>
Pathogen Group
<input type="text" value="Francisella"/>
Taxon Name
<input type="text" value="Francisella tularensis"/>
Genome ID
<input type="text" value="444178.3"/>
BRC ID
<input type="text"/>
Subsystem ID
<input type="text"/>
Subsystem Name
<input type="text"/>
Subsystem Role
<input type="text"/>
Additional
<input type="text" value="genome id"/> <input type="text"/>

Reset

Search

Result:

Subsystems



KEYWORDS



ADV Search



FILTERS

<input type="checkbox"/>	Genome Name	RefSeq Locus Tag	BRC ID	Product	Role Name	Subsystem Name	Superclass	Class	Subclass
<input type="checkbox"/>	Francisella tularensis 99A-2628		fig 1367846.3.peg.551	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. tularensis Scherm		fig 119856.7.peg.374	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella novicida FTE	FTE_1202	fig 545422.5.peg.732	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain F0594		fig 263.666.peg.229	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan METABOLISM)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain F0594		fig 263.666.peg.230	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan METABOLISM)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella novicida FTG	FTG_0038	fig 563990.4.peg.1726	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella novicida FTG	FTG_1640	fig 563990.4.peg.583	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. holarctica LVS		fig 376619.10.peg.1894	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella novicida FTE	FTE_0038	fig 545422.5.peg.1764	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis 99A-2628		fig 1367846.3.peg.791	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain F0918		fig 263.610.peg.153	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan METABOLISM)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. holarctica LVS		fig 376619.10.peg.1022	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. tularensis Scherm		fig 119856.7.peg.70	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain F0923		fig 263.605.peg.573	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan METABOLISM)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. novicida D9876		fig 1450527.3.peg.864	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. novicida F6168		fig 1452728.3.peg.1545	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. tularensis SCHU S4		fig 177416.18.peg.632	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain FTX	DR86_1268	fig 263.88.peg.568	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella novicida U112	FTN_0202	fig 401614.12.peg.210	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain FTU	DR84_804	fig 263.89.peg.1036	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. holarctica BD11-0017		fig 1244086.3.peg.1493	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain Larsen	DR81_1153	fig 263.87.peg.1150	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis subsp. tularensis WY96		fig 119856.8.peg.1848	Pyridoxal kinase (EC 2.7.1.35)	Pyridoxal kinase	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain FTZ	DR87_1080	fig 263.84.peg.1369	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	
<input type="checkbox"/>	Francisella tularensis strain RUSS	AS292_08140	fig 263.123.peg.377	Phosphoserine aminotransferase (EC 2.6.1.52)	Phosphoserine	Pyridoxin (Vitan Metabolism)	Cofactors, Vitar	Pyridoxine	

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