

# BV-BRC Test Report

## S11. Subsystems Search

|               |                                                                                                                                                                                                                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item to test  | Subsystems Search                                                                                                                                                                                                                                                                                                                |
| URL           | <a href="https://www.bv-brc.org/searches/SubsystemSearch">https://www.bv-brc.org/searches/SubsystemSearch</a>                                                                                                                                                                                                                    |
| Prerequisites | None                                                                                                                                                                                                                                                                                                                             |
| References    | <a href="https://www.bv-brc.org/docs/quick_references/searches_menu.html">https://www.bv-brc.org/docs/quick_references/searches_menu.html</a><br><a href="https://www.bv-brc.org/docs/quick_references/organisms_taxon/subsystems_tab.html">https://www.bv-brc.org/docs/quick_references/organisms_taxon/subsystems_tab.html</a> |
| 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](#).

|                                         |
|-----------------------------------------|
| <b>Keyword</b>                          |
| <input type="text" value="Pyridoxine"/> |

|                                                     |
|-----------------------------------------------------|
| <b>Pathogen Group</b>                               |
| <input type="text" value="Francisella"/>            |
| <b>Taxon Name</b>                                   |
| <input type="text" value="Francisella tularensis"/> |

|                                                             |
|-------------------------------------------------------------|
| <b>Genome ID</b>                                            |
| <input type="text" value="444178.3"/>                       |
| <b>BRC ID</b>                                               |
| <input type="text"/>                                        |
| <b>Subsystem ID</b>                                         |
| <input type="text"/>                                        |
| <b>Subsystem Name</b>                                       |
| <input type="text"/>                                        |
| <b>Subsystem Role</b>                                       |
| <input type="text"/>                                        |
| <b>Additional</b>                                           |
| <input type="text" value="genome id"/> <input type="text"/> |

Result:

Subsystems



DOWNLOAD

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_1060        | 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                 | ASZ92_08140      | fig 263.123.peg.377    | Phosphoserine aminotransferase (EC 2.6.1.52) | Phosphoserine    | Pyridoxin (Vitan Metabolism |            | Cofactors, Vitar | Pyridoxine |  |

1 - 200 of 6991 results