

BV-BRC Test Report

S10. Pathways Search

Item to test	Pathways Search
URL	https://www.bv-brc.org/searches/PathwaySearch
Prerequisites	None
References	https://www.bv-brc.org/docs/quick_references/searches_menu.html https://www.bv-brc.org/docs/quick_references/organisms_taxon/pathways.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 Pathways Search using representative search criteria.
- Test using example Pathway Name and Genome ID.
- Test using example Keyword.
- 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

Pathway Name: Glycolysis

Genome ID: 1443113.3

Advanced Search

Pathway Search

Search for metabolic pathways annotated in microbial genomes using generic keywords, pathogen group or taxon name, pathway id, name, product, or EC number. For further explanation, please see the [Advanced Search Quick Reference Guide](#).

Keyword
<input type="text" value="Search term"/>
Pathogen Group
<input type="text" value="e.g. Influenza A virus"/>
Taxon Name
<input type="text" value="e.g. Bacillus cereus"/>
Genome ID
<input type="text" value="1443113.3"/>
BRC ID
<input type="text"/>
Pathway ID
<input type="text"/>
Pathway Name
<input type="text" value="Glycolysis / Gluconeogenesis"/>
Pathway Class
<input type="text"/>
EC Number
<input type="text"/>
EC Description
<input type="text"/>
Additional
<input type="text" value="genome id"/> <input type="text"/>

Result:

Pathways



DOWNLOAD

KEYWORDS



ADV Search



FILTERS

<input type="checkbox"/>	Genome Name	RefSeq Locus Tag	BRC ID	Gene	Product	EC Description	Pathway ID	Pathway Name
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_05166	fig 1443113.3.peç	pfkA	6-phosphofructokinase (EC 2.7.1.11)	6-phosphofructokinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04765	fig 1443113.3.peç	fbp	Fructose-1,6-bisphosphatase, type I (EC 3.1.1.11)	Fructose-bisphosphatase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_05240	fig 1443113.3.peç	yihX	alpha-D-glucose 1-phosphate phosphatase Y	Glucose-1-phosphatase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03157	fig 1443113.3.peç	manY	PTS system, mannose-specific IIC component IIC	Protein-N(pi)-phosphohistidine--sug	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04469	fig 1443113.3.peç	lpdA	Dihydropyridine dehydrogenase of pyruvate	Dihydropyridyl dehydrogenase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03854	fig 1443113.3.peç	glk	Glucokinase (EC 2.7.1.2)	Glucokinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03803	fig 1443113.3.peç	ascB	6-phospho-beta-glucosidase (EC 3.2.1.86)	6-phospho-beta-glucosidase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_01705	fig 1443113.3.peç	galM	Aldose 1-epimerase (EC 5.1.3.3)	Aldose 1-epimerase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00895	fig 1443113.3.peç	adhA	Alcohol dehydrogenase (EC 1.1.1.1)	Alcohol dehydrogenase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_05157	fig 1443113.3.peç	glpX	Fructose-1,6-bisphosphatase, GlpX type (EC 3.1.1.11)	Fructose-bisphosphatase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00993	fig 1443113.3.peç	fbaA	Fructose-bisphosphate aldolase class II (EC 4.1.1.11)	Fructose-bisphosphate aldolase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02517	fig 1443113.3.peç	gapA	NAD-dependent glyceraldehyde-3-phosphate dehydrogenase	Glyceraldehyde-3-phosphate dehyd	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02925	fig 1443113.3.peç	pykF	Pyruvate kinase (EC 2.7.1.40)	Pyruvate kinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00994	fig 1443113.3.peç	pgk	Phosphoglycerate kinase (EC 2.7.2.3)	Phosphoglycerate kinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02375	fig 1443113.3.peç	agaW	PTS system, N-acetylgalactosamine-specific IIC	Protein-N(pi)-phosphohistidine--sug	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03828	fig 1443113.3.peç	casB	6-phospho-beta-glucosidase (EC 3.2.1.86)	6-phospho-beta-glucosidase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02454	fig 1443113.3.peç	pykA	Pyruvate kinase (EC 2.7.1.40)	Pyruvate kinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03855	fig 1443113.3.peç	glk	Glucokinase (EC 2.7.1.2)	Glucokinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03622	fig 1443113.3.peç	bglA	6-phospho-beta-glucosidase (EC 3.2.1.86)	6-phospho-beta-glucosidase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04470	fig 1443113.3.peç	aceF	Dihydropyridine acetyltransferase component I	Dihydropyridyllysine-residue acetyltr	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_01651	fig 1443113.3.peç	pgm	Phosphoglucosyltransferase (EC 5.4.2.2)	Phosphoglucosyltransferase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03158	fig 1443113.3.peç	manZ	PTS system, mannose-specific IID component IID	Protein-N(pi)-phosphohistidine--sug	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03860	fig 1443113.3.peç	ipdC	Pyruvate decarboxylase (EC 4.1.1.1); Alpha-ketoglutarate decarboxylase	Pyruvate decarboxylase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00435	fig 1443113.3.peç	pgi	Glucose-6-phosphate isomerase (EC 5.3.1.9)	Glucose-6-phosphate isomerase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04471	fig 1443113.3.peç	aceE	Pyruvate dehydrogenase E1 component (EC 1.1.1.1)	Pyruvate dehydrogenase (acetyl-tra	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02372	fig 1443113.3.peç	ptsE	PTS system, N-acetylgalactosamine- and galactose-specific IIC	Protein-N(pi)-phosphohistidine--sug	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04412	fig 1443113.3.peç	eno	Enolase (EC 4.2.1.11)	Phosphopyruvate hydratase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03748	fig 1443113.3.peç	agp	Glucose-1-phosphatase precursor (EC 3.1.3.1)	Glucose-1-phosphatase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04918	fig 1443113.3.peç	ptsG	Secretion system regulator: Sensor component IIC	Pyruvate kinase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00264	fig 1443113.3.peç	pckA	Phosphoenolpyruvate carboxykinase [ATP] (I)	Phosphoenolpyruvate carboxykinas	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_00296	fig 1443113.3.peç	lich	N,N'-diacetylchitobiose-specific 6-phospho-beta-glucosidase	6-phospho-beta-glucosidase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_02542	fig 1443113.3.peç	adhE	Acetaldehyde dehydrogenase (EC 1.2.1.10)	Alcohol dehydrogenase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_05163	fig 1443113.3.peç	tpiA	Triosephosphate isomerase (EC 5.3.1.1)	Triose-phosphate isomerase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_04921	fig 1443113.3.peç	acs	Acetyl-CoA synthetase (EC 6.2.1.1)	Acetate--CoA ligase	00010	Glycolysis / Gluconeogenesis
<input type="checkbox"/>	Yersinia enterocolitica LC20	LC20_03753	fig 1443113.3.peç	gmuD	6-phospho-beta-glucosidase (EC 3.2.1.86)	6-phospho-beta-glucosidase	00010	Glycolysis / Gluconeogenesis

Keyword: Ferroxidase

Result:

Pathway List View
 PATHWAYS: Ferroxidase (391344 Pathway)

Pathways





<input type="checkbox"/>	Genome Name	RefSeq Locus Tag	BRC ID	Gene	Product	EC Description	Pathway ID	Pathway Name	
<input type="checkbox"/>	Methanoterris igneus Kol 5	Metig_0429			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanohalobium evestigatum Z-	Metev_0307			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanothermococcus okinawens	Metok_1601			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Aciduliprofundum boonei T469	Aboo_0879			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanohalophilus mahii DSM 52	Mmah_0552			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanococcus aeolicus Nankai-	Maeo_0328			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanoplanus petrolearius DSM	Mpet_1796			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Ignisphaera aggregans DSM 172	Igag_1332			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Serratia proteamaculans 568	Spro_1942			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Haemophilus somnus 2336	HSM_1399			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Caldicellulosiruptor kronotskyensi	Cal kro_0710			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanobacterium paludis strain	MSWAN_1234			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Caldicellulosiruptor owensensis	Calow_1697			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Haemophilus somnus 2336	HSM_1398			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Jejuia pallidilutea JCM 19538	JCM19538_686			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Algibacter lectus JCM 19300	JCM19300_434			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Pelosinus sp. UFO1	UFO1_1241			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Jejuia pallidilutea JCM 19538	JCM19538_441			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Algibacter lectus JCM 19300	JCM19300_103			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Jejuia pallidilutea JCM 19301	JCM19301_228			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Jejuia pallidilutea JCM 19302	JCM19302_132			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Yersinia pseudotuberculosis YPIII	YPK_2438			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Jejuia pallidilutea JCM 19301	JCM19301_175			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Methanobacterium lacus strain AL	Metbo_1001			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Caldicellulosiruptor hydrothermalis	Calhy_0801			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Algibacter lectus JCM 19300	JCM19300_267			ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Syntrophobotulus glycolicus DSM	Sgly_0921			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Ilyobacter polytropus DSM 2926	Ilyop_0044			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Hippea maritima DSM 10411	Hipma_0418			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Flexistipes sinusarabici DSM 494	Flexsi_2157			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Pantoea sp. aB	PanABDRAFT_			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Prosthecochloris aestuarii DSM 2	Paes_0556			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Acetohalobium arabaticum DSM	Acear_0993			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Aminobacterium colombiense DS	Amico_0400			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	
<input type="checkbox"/>	Nitrosococcus halophilus Nc 4	Nhal_3501			Ferroxidase	Ferroxidase	00860	Porphyrin and chlorophyll metab	

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