(a)

Analysis Report of Test_Set

Find in selected genomes:

- **Core Genes**
- **Variable Genes**
- **Unique Genes**

Define core gene as present in % of genomes: 100

Show result sorted by: Gene Family ID

Search for gene description :

Submit Reset

Show 10 entries Search: Pseudomonas syringa

With Homolog	Without Homolog	genome_name	species	species_type	abbreviation
		Pseudomonas syringae pv. tomato T1	Pseudomonas syringae	bacteria	PtoT1
		Pseudomonas syringae pv. tomato Max13	Pseudomonas syringae	bacteria	PtoMax13
✓		Pseudomonas syringae pv. tomato DC3000	Pseudomonas syringae	bacteria	PtoDC3000
		Pseudomonas syringae pv. tabaci str. ATCC 11528	Pseudomonas syringae	bacteria	Pta11528
✓		Pseudomonas syringae pv. syringae B728a	Pseudomonas syringae	bacteria	PsyB728a
		Pseudomonas syringae pv. pisi 1704B	Pseudomonas syringae	bacteria	Ppi1704B
		Pseudomonas syringae pv. phaseolicola 1448A	Pseudomonas syringae	bacteria	Pph1448A
		Pseudomonas syringae pv. oryzae 36_1	Pseudomonas syringae	bacteria	Por36_1
		Pseudomonas syringae pv. morsprunorum str. M302280	Pseudomonas syringae	bacteria	Pmp302280PT
		Pseudomonas syringae pv. mori str. 301020	Pseudomonas syringae	bacteria	Pmo301020

Showing 1 to 10 of 24 entries (filtered from 142 total entries) Previous 1 2 3 Next

(b)

Search Result

Genome Name: Pseudomonas syringae pv. syringae B728a Show Gene Information

Show 10 entries Search: Copy CSV Excel

Group ID	Homolog Group ID	HMM Group ID	Gene ID	Genome Name	Gene Description	Details
Cluster_10212.1	Cluster_10212	Group2510	Q4ZL22	Pseudomonas syringae pv. syringae B728a	ATP synthase subunit delta	
Cluster_10520.1	Cluster_10520	Group5462	Q4ZMP2	Pseudomonas syringae pv. syringae B728a	Elongation factor Tu	
Cluster_10870.1	Cluster_10870	Group4888	Q4ZMN2	Pseudomonas syringae pv. syringae B728a	Transcription termination/antitermination protein NusG	
Cluster_11008.1	Cluster_11008	Group3165	Q4ZRH5	Pseudomonas syringae pv. syringae B728a	6-carboxy-5,6,7,8-tetrahydropterin synthase	
Cluster_11077.1	Cluster_11077	Group5954	Q4ZZW4	Pseudomonas syringae pv. syringae B728a	D-amino acid dehydrogenase	
Cluster_11238.1	Cluster_11238	Group4397	Q4ZRK4	Pseudomonas syringae pv. syringae B728a	Isocitrate dehydrogenase NADP-dependent, monomeric type	
Cluster_11536.1	Cluster_11536	Group3052	Q4ZM01	Pseudomonas syringae pv. syringae B728a	S-adenosylmethionine synthase	
Cluster_1198.1	Cluster_1198	Group4047	Q4ZZ83	Pseudomonas syringae pv. syringae B728a	Dihydroxy-acid dehydratase	
Cluster_1254.1	Cluster_1254	Group1221	Q4ZQB3	Pseudomonas syringae pv. syringae B728a	Unannotated protein sequence	
Cluster_12972.1	Cluster_12972	Group2410	Q4ZUP4	Pseudomonas syringae pv. syringae B728a	Unannotated protein sequence	

Showing 1 to 10 of 70 entries Previous 1 2 3 4 5 6 7 Next

(c)

Edit

GENE : Q4ZL22

Genomic Feature:

Locus Tag:	Q4ZL22
Protein Id:	Psyr_5123
External database Id:	YP_238188.1
Species / Strain Name:	Pseudomonas syringae pv. syringae B728a
Species Type:	bacteria
Species Abbreviation:	PsyB728a
Genome ID:	NC_007005.1
Genome Type:	Chromosome
Genome Length:	6093698
Index on Genome:	5249
Genomic Location:	6081466 : 6082002 (-1)
Gene Name:	Not available
Feature Type:	CDS
Protein Length:	179
Nucleotide Length:	537
Product Description:	ATP synthase subunit delta
Comments:	Produces ATP from ADP in the presence of a proton gradient across the membrane. The alpha chain is a regulatory subunit.

Comparative Genomics Information:

Homolog Group:	Cluster_10212
Ortholog Group:	Cluster_10212.1
HMM Model Group:	Group2510

Annotation:

GO Annotation:

GO ID	GO Category	GO Description
GO:0005886	Cellular Component	The membrane surrounding a cell that separates the cell from its external environment. It consists of a phospholipid bilayer and associated proteins.

PFam:

PFam ID	Pfam Name	Description	Start	End	Significance
PF00006	ATP-synt_ab	ATP synthase alpha/beta family, nucleotide-binding domain	150	376	1e-10

InterPro:

InterPro ID	Description
IPR020003	ATPase, alpha/beta subunit, nucleotide-binding domain, active site

(d)

EDIT GENE ANNOTATION

Locus Tag : Q4ZL22

Protein Id : Psyr_5123

External database Id : YP_238188.1

Species / Strain Name : Pseudomonas syringae pv. syringae B728a

Species Abbreviation : PsyB728a

Genome ID : NC_007005.1

Genome Type : Chromosome

Genome Length : 6093698

Index on Genome : 5249

Feature Start : 6081466

Feature End : 6082002

Strand : + -

Frame : 1

Gene Name : Not available

Feature Type : CDS

Protein Length : 179

Nucleotide Length : 537

Product Description : ATP synthase subunit delta

Homolog Group : Cluster_10212

Ortholog Group : Cluster_10212.1

HMM Group : Group2510

GO Id : GO:0005886 **GO Category :** Cellular Component **GO Description :** The membrane surrounding a cell that separates the cell from its external environment

Pfam Id : PF00006 **Pfam Name :** ATP-synt_ab **Pfam Description :** ATP synthase alpha/beta family, nucleotide-binding domain

Pfam Start : 150 **Pfam End :** 376 **Significance :** 1e-10

InterPro Id : IPR020003 **InterPro Description :** ATPase, alpha/beta subunit, nucleotide-binding domain, active site

Pathway Id : ko00190 **Pathway Description :** Oxidative phosphorylation